19980817.qrp v01_n186.qrs.980817

Date: Mon, 17 Aug 1998 19:03:19 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1186

QRP-L Digest 1186

Topics covered in this issue include:

  1) [17685] Re: TUNER Losses/dB's
     by w4bws@juno.com (Donald E Sanders)
  2) [17686] elmer 101:more sw40 problems: update
     by Roger Braker <msebrakr@telepath.com>
  3) [17687] 7x4an/qrp on 21.0 0108z
     by Scott Bauer <ke3nv@erols.com>
  4) [17688] Re: Backyard Portable with St. Louis Vertical
     by k5zty@juno.com
  5) [17689] How to send QRQ ??
     by Fred Bennett N9TA <n9ta@bluemarble.net>
  6) [17690] Attn: Dave/W0CH W zero CH
     by Scott Bauer <ke3nv@erols.com>
  7) [17691] Re: How to send QRQ ??
     by "j.w. thornton" <dub@oklahoma.net>
  8) [17692] Pacificon vs FDIM QRP Symposium
     by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
  9) [17693] EEEK!! Twin Zombies!
     by Chris Cartwright <ccart@dns.vidtel.com>
 10) [17694] Thanks Gang
     by RangerSF5@aol.com
 11) [17695] SST 40-M
     by RangerSF5@aol.com
 12) [17696] Lookin' fer some pinchers of old radio
     by nilsbull@juno.com (Nils R Young)
 13) [17697] 49 er
     by crc <crc@io.com>
 14) [17698] Re: TUNER Losses/dB's
     by we6w@juno.com
 15) [17699] Re: EEEK!! Twin Zombies!
     by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
 16) [17700] Anttena Tuners Losses....
     by Dave Willey <dave@cds1.net>
 17) [17701] RE: 49 er
     by "Jerry McCollom" <jmc@cnd.hp.com>
 18) [17702] Re:QRP-DX on 15m
     by Thomas Roth <th.roth@apc.de>
 19) [17703] Re: EEEK!! Twin Zombies!

by Paul Harden <pharden@aoc.nrao.edu>
20) [17704] Re: Anttena Tuners Losses....
by RangerSF5@aol.com
21) [17705] "Prime" Zombies!
by Chris Cartwright <ccart@dns.vidtel.com>
22) [17706] Looking for good PL-259 coax conectors
by "Juan A. Bertolin" <ea5xq@qsl.net>
23) [17707] Information about SURPLUS
by "Juan A. Bertolin" <ea5xq@qsl.net>
24) [17708] Re: EEEK!! Twin Zombies!
by Michael Neverdosky <MichaelN@cycat.com>
25) [17709] Fw: Re: Antenna Tuner Kits/10 Meters / RF LIMITERS!
by tedkell@juno.com (Ted Kell)
26) [17710] tuner losses
by "Jerry W. O'Dell" <jwodell@ameritech.net>
27) [17711] BPSK - Ok, so how do I get started?
by John Mckee <JMcKee@RFMD.com>
28) [17712] RST IMHO
by ARDUJENSKI@aol.com
29) [17713] Pixie with sidetone
by "Patrick T. Franzis" <old_radios@yahoo.com>
30) [17714] Antenna Q's
by Brad Mugleston <bmug@gwl.com>
31) [17715] SLV ??
by Art Marshall <artm@t-com.com>
32) [17716] Re: Antenna Tuners Losses....
by "George T. Baker" <w5yr@swbell.net>
33) [17717] Elmer 101 Survey Q1-3 (Long)
by John Bohnert <johnb@elmhurst.edu>
34) [17718] Elmer 101 Survey Q4-5 (Long)
by John Bohnert <johnb@elmhurst.edu>
35) [17719] Elmer 101 Survey
by John Bohnert <johnb@elmhurst.edu>
36) [17720] Re: RST IMHO
by "George T. Baker" <w5yr@swbell.net>
37) [17721] Re: tuner losses
by "George T. Baker" <w5yr@swbell.net>
38) [17722] Re: Lookin' fer some pinchers of old radio
by "Bill Todd" <bill@willapabay.org>
39) [17723] Re: Reminder: NERD'S Contest - Sept 12th
by "Bill Todd" <bill@willapabay.org>
40) [17724] RE: BPSK - Ok, so how do I get started?
by Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>
41) [17725] Help re Unusual Component Markings
by "Eddie HANHAM" <eddiehan@nlc.net.au>
42) [17726] CQC Summer QSO Party next Sunday
by "Marshall Emm" <mgemm@mtechnologies.com>
43) [17727] Zombie Shuffle Question

    by "Alyn Backe" <ve6bpr@cnnet.com>
44) [17728] Re: 10 MTRS
    by "James C. Owen, III" <owen@piper.eeel.nist.gov>
45) [17729] HTX-100 schematic
    by "Brockwell, Stephen E." <brockwse@fssec.army.mil>
46) [17730] Eqpt for sale
    by k6hcj@juno.com (Marv Fagenson)
47) [17731] Re: Z-matches, T-matches, radio matches & cricket matches
    by "Michael A. Gipe" <mgipe@reliablemeters.com>
48) [17732] Re: Zombie Shuffle Question
    by Paul Harden <pharden@aoc.nrao.edu>
49) [17733] More Z-match Zorro & Cheese Otters stuff
    by nilsbull@juno.com (Nils R Young)
50) [17734] Re: Help re Unusual Component Markings
    by n2tpa@juno.com (Bill d Lazure)
51) [17735] Intro and stories
    by "Barry L. Geipel" <bgeipel@primenet.com>
52) [17736] Zombie Shuffle Question. TNX
    by "Alyn Backe" <ve6bpr@cnnet.com>
53) [17737] Questions
    by "Barry L. Geipel" <bgeipel@primenet.com>
54) [17738] New OHR 500
    by "ohr" <qrp@ohr.com>
55) [17739] Interesting QRP Contact
    by "Benjamin F. Poinsett" <benmail@erols.com>
56) [17740] Tuner losses
    by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
57) [17741] NERD'S Contest info (ASCII)
    by "Bill Todd" <bill@willapabay.org>
58) [17742] RE: Questions
    by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
59) [17743] Re:TUNER Losses/dB's
    by "Michael A. Gipe" <mgipe@reliablemeters.com>
60) [17744] Intro and Stories
    by "Ken & Linda Burrough" <ne0c@1st.net>
61) [17745] Tnx PA QRP Clubs
    by Ken LaRose <kenlar@csolve.net>
62) [17746] Re: New OHR 500
    by Daniel Salo <dsalo@pacbell.net>
63) [17747] Re: Antenna Q's
    by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
64) [17748] Re: Questions
    by n9qil@juno.com (Kenneth R Wezeman)
65) [17749] Re: Elmer 101 Survey Q1-3 (Long)
    by Roger Braker <msebrakr@telepath.com>
66) [17750] Elmer 101: SW30+ Output Power
    by Mike - W0TMW <crucis@sky.net>
67) [17751] RE: Antenna Q's

    by Brad Mugleston <bmug@gwl.com>
 68) [17752] Re: Questions
    by Hank Kohl K8DD <k8dd@contesting.com>
 69) [17753] Re: Status Report de K5FO
    by adams@chuck.dallas.sgi.com (Chuck Adams)
 70) [17754] dB's; Dipoles; Drake TR-3 on 1 tube final?
    by Ed Loranger <we6w@qsl.net>
 71) [17755] Coil lube
    by Bob Liesenfeld <wb0poq@visi.com>
 72) [17756] cut numbers
    by fcsw@juno.com (dick rood)
 73) [17757] Re: Elmer 101: SW30+ Output Power
    by Mike - W0TMW <crucis@sky.net>
 74) [17758] TL592P
    by "Brad Hernlem" <alihernlem@hotmail.com>
 75) [17759] New/old Doerle RX takes on QRPC
    by MNHopkins@aol.com
 76) [17760] mystery!?
    by Bruce Rattray <rattray@gpfn.sk.ca>
 77) [17761] Re: Elmer 101: SW30+ Output Power
    by Mike - W0TMW <crucis@sky.net>

Date: Sun, 16 Aug 1998 19:26:49 EDT
From: w4bws@juno.com (Donald E Sanders)
To: we6w@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [17685] Re: TUNER Losses/dB's
Message-ID: <19980816.182741.4471.0.W4BWS@juno.com>

Ed, please provide your reference for the newbees-
is this power or voltage ratios? some could be confused.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Sun, 16 Aug 1998 13:28:40 EDT we6w@juno.com (Ed Loranger) writes:
>Ok, I'll be kind on this, but I'm just about to scream
>if I see 20%=1dB change another time.....
>
 >1dB = 25% gain or loss
>3 dB = * 2 gain/loss
>10 dB= * 10 gain/loss
>20 dB = * 100 gain/loss.

Date: Sun, 16 Aug 1998 19:05:20
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [17686] elmer 101:more sw40 problems: update
Message-ID: <3.0.5.16.19980816190520.3d0ff266@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
I got my new IF transformer on Saturday fram Dave and got it installed.
The rig works great now. I got the TX transformers adjusted for max
output. I've got the driver pot set to about 3 watts. I get about 4.5
max. Thanks for all the help guys.

73,
Arnold kd5ckh

Date: Sun, 16 Aug 1998 21:11:45 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [17687] 7x4an/qrp on 21.0 0108z
Message-ID: <199808170111.VAA12752@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey gang heres your chance for a 2 way qrp with Algeria!!
7x4an is running 5 watts on 21.012. He is 449 in Md at
0110z. Go get him!!
 QSl info:

 Box 30133
 Barcelona 08080

 72, Scott w3cv

Date: Sun, 16 Aug 1998 22:35:53 -0500
From: k5zty@juno.com
To: kelman@dialnet.net
Cc: qrp-l@Lehigh.EDU
Subject: [17688] Re: Backyard Portable with St. Louis Vertical
Message-ID: <19980816.233247.6806.0.k5zty@juno.com>

Kelly,

You need to look into making a loading coil for that antenna. That twin lead coil resonates at some weird frequency around 5mhz. The point of having a loading coil is to tune the antenna to reasonance at the frequency that you are going to use so that you don't have to use a tuner. You also must use some ground radials to minimize the ground losses. 12 to 16 pieces of wire as long as the antenna is tall, connected to the ground side of the feedpoint will do a respectable job on all bands. I wrote an article for QRPp on building a coil for that antenna that never got printed. If you are interested, I will send it to you.
73
Bill, K5ZTY
Houston,TX
k5zty@juno.com

_____
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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 16 Aug 1998 20:26:35 -0500
From: Fred Bennett N9TA <n9ta@bluemarble.net>
To: Qrp-L <qrp-l@Lehigh.EDU>
Subject: [17689] How to send QRQ ??
Message-ID: <35D786CB.BEC7AB04@bluemarble.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang

OK. I can chew the rag at 25-30 wpm. Or contest QSO at 35-40 wpm. BUT how on EARTH do you guys (and you know who you are) SEND CW at 50-60 wpm ??

This question came to me tonight while listening in on some very fast QSOers (new word) on about 7.032 Mhz. They

were in the 50-60 wpm range. I was supprised that as I
listened in that I could actually begin to copy words and
sometimes sentences. I think I might actually attain the ability
to copy in the 50-60 wpm range.....HOWEVER.... I see
NO CHANCE of my sending at that speed !!
  Yes, I know some folks use a keyboard to send. But SOME
folks actually KEY that fast.

                          QUESTION: HOW
Are there techniques I should be practicing ? "Squeze keying" ??

                Thanks in advance......73.....de......Fred N9TA

n9ta@bluemarble.net

Date: Sun, 16 Aug 1998 21:46:29 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [17690] Attn: Dave/W0CH W zero CH
Message-ID: <199808170147.VAA08430@smtp2.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dave, did you get my "Fox Hunt" QSL??
I have yours here but didnt note in my
log that I sent one. Sorry abt the mistake.

 72, Scott w3cv fm19 MD

Date: Sun, 16 Aug 1998 20:48:48 -0500
From: "j.w. thornton" <dub@oklahoma.net>
To: qrp-l@Lehigh.EDU
Subject: [17691] Re: How to send QRQ ??
Message-ID: <3.0.3.32.19980816204848.00b4c888@oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:26 PM 8/16/98 -0500, you wrote:
>   Hi Gang

>
> OK. I can chew the rag at 25-30 wpm. Or contest
>QSO at 35-40 wpm. BUT how on EARTH do you
>guys (and you know who you are) SEND CW at 50-60
>wpm ??

7033MHZ is the old freq for the CFO group, (a group of QRQ CW ops) and 99% of them use keyboards for sending, ear for copy. There are a few ops out there who can hit that 50WPM with a paddle, but they are certainly the elite few, and almost as scarce as hens teeth. I wish I could tell you HOW to send 50/60 WPM with a paddle, cuz if I could tell you, then I could send it that fast too. You are right about the copy, it does come easier than sending at these speeds. "73"

J. W. (Dub) Thornton WA5YFY
Minco, Okla.

Date: Sun, 16 Aug 1998 21:11:24 -0500
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [17692] Pacificon vs FDIM QRP Symposium
Message-ID: <3.0.32.19980816210451.00754418@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<fontfamily><param>Times New Roman</param>Pacificon Attendees,

As a loyal NorCal Zombie (no 163) I would just like to make a few comments to Doug's KI6DS posting about the upcoming Pacificon event and his comparison to the QRP ARCI "Four Days in May" QRP Symposium. I want to say that I like all forums, symposiums, talks etc associated with QRP - it's just great the amount of QRP forums that the many regional QRP clubs put on at Hamfests across the country. Regional QRP clubs really help spread the "word". Why just in the last few months we've seen some great QRP "shows" put on by the ScQRPions, Iowa, Alabama, Dallas, etc to name just a few.

Now getting back to my concern about Doug's comment in his posting here on the QRP-L -=20

"Remember, the Sheraton is a first class hotel. They don't raise the

prices,they=20

lower them to give the convention goers a break. This is not a Day's

Inn Dayton South Rip Off. Plus, there is NO Charge whatsoever for the Qrp

Forums, unlike Dayton. ALL QRP activities are free (* You must register for

the convention, $5 for all three days) but we don't charge at all for the

World Class Forums at Pacificon, sponsored by the NorCal QRP Club."

First off, I am not going to defend the Days Inn Dayton South's reputation. The QRP ARCI moved there a few years ago when another hotel (Belton?) closed down. It may not be the best hotel in terms of having the A/C working in the sweltering humid Ohio May weather but it does offer some nice QRP hospitality rooms (that QRP ARCI pays for) and a great place to set up lots of antennas for some QRP fun. This past year it was $75 for as many people as you dared to stuff in a room (the Sheraton in Concord was quoted to me a $76 for two beds). The term rip-off, as mentioned by Doug, may be construed for the whole Dayton Hamfest hotel scene as the hotels escalate their rates for the biggest ham convention in North America . =20

Second, I'm not sure if the comparison of free QRP activities by Doug is a fair one. The QRP ARCI FDIM Symposium is set up a lot differently then Pacificon. First off, it is held on a completely separate day (Thursday) from the rest of the Dayton Hamvention (Friday, Saturday and Sunday).=20 The idea is that a dedicated day could be devoted to QRP and nothing but QRP with no distractions of the other things that happen at Dayton (and yes there is a lot happening at the Hamvention). The attendance fee for the QRP Symposium this year was $10. With that $10 attendance fee, the 175+ attendees got themselves a nice hotel chair and table classroom setting, an $8 copy of the first class FDIM Symposium Proceedings (a 125 page Proceedings that rivals the ARRL/TAPR/AMSAT Proceedings- thanks to George Heron N2APB of the NJ QRP Club) and a limited run Kanga printed circuit board (G3RJV Six Pack) for a special talk given by the George Dobbs G3RJV. Not bad for $10 as just about all of our participants can attest to. So I guess my comment to Doug is "How about printing a free Proceeding of the Pacificon talks for all attendees and also throw in a "QRP goodie" like the circuit board, for free, if you want to really want to make a "statement"".

Also as an aside, the reason why the FDIM QRP Symposium is held on a separate day is to allow all attendees to really attend the rest of Hamvention. I know this is not what everyone does, but I love to attend forums on DXing, Contesting, AMSAT, TAPR, SSTV, RTTY, antennas, and even Wayne Green etc to hear what's happening elsewhere in the hobby. Ones whole ham life may not be just QRP. Anyway when you attend big hamventions like Dayton, Rochester, Pacificon, Boxboro, Orlando it is hard to take it all in - but we try - don't we - hi.

To all QRP-L readers who may be attending Pacificon please make sure you have a good time, but please let's not start being competitive about which QRP Clubs put on the best QRP forums. That is not what any of the QRP Clubs are after - I'm sure all we want to do is spread the QRP word and help each other out. The QRP ARCI FDIM and the NorCal Pacificon are great QRP events, but no matter the size, they are no better in the intent to "grow QRP" then what the Arizona, Iowa, New Jersey, Maryland Milliwaters, New England, Alabama, Texas, etc QRP Clubs do. Let's all help each other out.

For the QRP-L readers who may find the above not exciting to read - please accept my apologies. I'm on the Board of Directors of the QRP ARCI and although my opinion is that of my own, I felt a need to stop this snapping about what's wrong with Dayton and the FDIM. We are all trying to do our best to make QRP fun.

Cheers 73/72 Bob N0EB (NorCal Zombie Devils Advocate)

PS: OK now for a plug - if you would like to get a printed copy of the great G3RJV Six Pack talk (six MUST-do building projects for the QRPer with schematics and pictures) that you'll hear George Dobbs G3RJV repeat at Pacificon then check out the QRP ARCI Toy Store Web page
</fontfamily><underline><color><param>0000,0000,fefe</param>http://www.tir.c=
om/~k8dd/thetoystore.htm</color></underline>
and obtain a copy of the 1998 FDIM Proceedings ($8 plus $3 priority mail). Also, I believe Bill Kelsey N8ET of Kanga US may have Six Pack boards and part kits available. You'll also find some super articles in the Proceedings by L.B. Cevik W4RNL on feedlines, Alternatives to PC boards by Dick Pascoe G0BPS, Modern Homebrew components by Gary Breed K9AY, the new up and coming Rainbow Analyzer by George Heron N2APB and Joe Everhart N2CX, a special on QRP Tins by Rex Harper W1REX and more.=20
By the way it's these authors that make a QRP Forum GREAT - so please pass on the thanks to these great Elmers of our hobby. =20

Bob Gobrick - Stillwater, MN

Internet: rgobrick@att.net

Date: Sun, 16 Aug 1998 22:57:56 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17693] EEEK!! Twin Zombies!
Message-ID: <Pine.LNX.3.93.980816224517.1282A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 16 Aug 1998, Robert J. Gobrick wrote:

> As a loyal NorCal Zombie (no 163) I would just like to make a few

Uh, oh! I'm sittin' here lookin' at badge #163 are we the only "twins"?
Bob? Paul? Witchess Sandra? Are we worth double-double points in the
contest? Double your pleasure, double your score, with QRP Zombie Gum :)
Maybe we're all #163... <cue the spooky music>

-- Chris Cartwright,   Technical Engineer | ccart@vidtel.com   --
-- N3XRV   ARRL-VE   QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

---

Date: Sun, 16 Aug 1998 23:27:25 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [17694] Thanks Gang
Message-ID: <18c2cede.35d7a31e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just a fast,short note to thank everyone who responded to my request about the tuner and Emtech info.
Nice to know that vital information is only a mouse click away
Have a nice week Gang,
Bob
WA2HOQ
Peace Through Superior Fire Power

Date: Sun, 16 Aug 1998 23:32:16 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU, qrp@qth.net, forsale-swap@qth.net
Subject: [17695] SST 40-M
Message-ID: <a3218a82.35d7a441@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For sale,1 item
SST for 40-M
Has 17 KC as measured on the RS freq counter.
Nice small rig,compact,good tone,excellent reports and no drift
$70.00 Shipped
Bob
WA2HOQ

Date: Sun, 16 Aug 1998 22:56:11 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [17696] Lookin' fer some pinchers of old radio
Message-ID: <19980816.225623.12118.1.nilsbull@juno.com>

Gang,

I've been trying to "dress up" (or maybe "dress down") my GeoCities site with some of those old victorian wood engraving kinds of art that hide in monster CD collections of clip art. I did find a neat cut of an old telegraph key & promptly mogrified it to fit into a banner on the new ham radio page. That and some dynamite old fashioned border material (much of it repros of older American Type Foundry castings & some even older . . . like Boston TF, circa 1890 &c). Really neat stuff to play with in Photoshop, where I add & mess with color . . . but that's another story.

So do any of you web surfin' lunatics know of pictures of old spark-gap type stuff? Those adverts that used to appear in the early radio mags with sparks flyin' out of antennas & guys bent over a pile of knobs & some carborundum in a tube tryin' to get KDKA clear enough to say that they'd done it while their wives sat around bored to tears in those provocative "flapper" dresses. Them kind of pictures. No, not the flapper dresses. I have my own collection. I'm particularly fond of the rinestone . . . well, you know. Pictures of sparks & arcs &c.

And then . . . Here's a killer: Many moons ago, back when Argentina had a viable aircraft carrier, I met some Argentine sailors who, luck would have it, were radio ops. They had a really neat insignia for their rating. It was sparks flyin' off a circle, like the old rotary gap doodads. I used to have one of those badges, many years ago. But time & misfortune have lost track of too much.

Any Argentine sailors out there who'd like to put a JPG of one of those on their web page (or tell me where to get to) so I can grab it & add it to my arcs & sparks collection?

And with that, I'm back to listening to 30m. Man, band was hoppin' last night. But that was Saturday night/Sunday morning & all kinds of non-working types were on the air. Good condx, all the same.

And I found the money. Now I can start savin' for a K2 again!

73
Nils
 . . . did anyone check out the "live Titanic" show? They dropped one of those robot submersibles right through the hatchway into the radio room. One of those power panels was hangin' from the wall, hook ups still connected. One piece of romanticized history at a time disappearing before the technological onslaught. Like the one that allowed the crew to save as many as they did . . .

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
http://www.geocities.com/Athens/Olympus/9172

_____
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Date: Sun, 16 Aug 1998 23:03:33 -0500
From: crc <crc@io.com>
To: qrp-l <qrp-l@Lehigh.edu>
Subject: [17697] 49 er
Message-ID: <35D7AB95.5FDD@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I know I am out of date,but is anyone making boards for the 49
er,still?FAR doesn't have them on their site,unless I misread the
screen.I want to build up a pair for my daughter(future ham)and I.
thanks...charlie WA5KRF

Date: Sun, 16 Aug 1998 21:28:54 -0700
From: we6w@juno.com
To: w4bws@juno.com
Cc: qrp-l@Lehigh.edu
Subject: [17698] Re: TUNER Losses/dB's
Message-ID: <19980816.212855.3310.0.we6w@juno.com>

Donald et. al, dB is a ratio. Conversions to
absolutes are a different discussion.

dB is a ration. Converting 3 dB voltage ratio
to a power gain is presumably what you are asking
about. Let's not go there. My answer is regarding
the ratio producing 1 dB change. 1.26/1 is 1 dB.

Then theres dBV, dBm dBuW etc.... it goes on. I refer
you to established published texts for more information.

My very best to all,
-Ed Loranger we6w dit dit

On Sun, 16 Aug 1998 19:26:49 EDT w4bws@juno.com (Donald E Sanders)
writes:
>Ed, please provide your reference for the newbees-
>is this power or voltage ratios? some could be confused.
>
>Donald E. Sanders W4BWS
<snip>
>On Sun, 16 Aug 1998 13:28:40 EDT we6w@juno.com (Ed Loranger) writes:
>>Ok, I'll be kind on this, but I'm just about to scream

>>if I see 20%=1dB change another time.....
>>
> >1dB = 25% gain or loss
>>3 dB = * 2 gain/loss
>>10 dB= * 10 gain/loss
>>20 dB = * 100 gain/loss.

Date: Sun, 16 Aug 1998 23:35:30 -0500
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: Chris Cartwright <ccart@dns.vidtel.com>, "Robert J. Gobrick"
<rgobrick@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17699] Re: EEEK!! Twin Zombies!
Message-ID: <3.0.32.19980816230100.00c88258@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

EEEK Twins,

Chris - very sorry - MY OFFICIAL QRP ZOMBIE number is 263 - My mistake - it would be horrible for there to be two of us - sorta of like a "negative hole" in Area 51.

Boy, it was smart (?) for Paul, Jim and Sandra to number these badges - we could have counterfeit badges out there - that would really break the security...

Cheers 73/72 Bob N0EB

At 22:57 8/16/98 -0400, Chris Cartwright wrote:
>On Sun, 16 Aug 1998, Robert J. Gobrick wrote:
>
>> As a loyal NorCal Zombie (no 163) I would just like to make a few
>
>Uh, oh! I'm sittin' here lookin' at badge #163 are we the only "twins"?
>Bob? Paul? Witchess Sandra? Are we worth double-double points in the
>contest? Double your pleasure, double your score, with QRP Zombie Gum :)
>Maybe we're all #163... <cue the spooky music>
>
>-- Chris Cartwright,   Technical Engineer | ccart@vidtel.com   --
>-- N3XRV   ARRL-VE   QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
>-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
>
>

Bob Gobrick - Stillwater, MN
Internet: rgobrick@att.net

Date: Sun, 16 Aug 1998 22:03:05 -0700
From: Dave Willey <dave@cds1.net>
To: QRP-L <qrp-l@Lehigh.edu>
Subject: [17700] Anttena Tuners Losses....
Message-ID: <35D7B988.2CF9@cds1.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On a resent post about antenna tuners Ed Loranger WE6W said:

> 1 dB =25% loss or gain. Seems like a lot for us QRP'ers.
> I know, compared to a mis-matched ant. w/o the tuner one might
> have even more problems, but boy 25% seems like a lot.

Hi Ed and the list,

I saw in the Aug. 98 issue of CQ mag, in the "World of Ideas"
column (pg. 68) a neat idea. Place a Miconaut (or any other
transmitter) up on the dipole in a PVC pipe that doubles as
the dipole center insulator. No coax, no loss. The two
guys (Bill - NA4X & Chris - WB4HFA) ran a wire down to the
battery and a key. Just keyed the power on and off to key
the transmitter.

(This was what I was madly surfing the web for yesterday.
Thought I'd seen it on a web site, but it was in CQ.
Shouldn't have been reading at 3 AM!)

Just an aside.

Now that I think about it, There were Russian fox hunters
in the foxhunting freindship games a while back that were
using a reciever built into the boom of some hand-held two
element beams.

Back to QRP

Now I know this works for only a xtal rig and not for a VFO
multi-band transmitter where you need to match the antenna

to the rig and other knob turning.

Then again, I knew I'd saved my 4 channel RC radio and micro
servos for a reason...

Hmmm, remotely controled tranciever mounted in the antenna.
No coax loss.

Thoughts anyone? (Besides telling me to quit reading instead
of sleeping.)

72 de Dave KD6KWM
(who spend too much time thinking "outside the box".)
QRP-L #1567

Date: Sun, 16 Aug 1998 23:06:33 -0600
From: "Jerry McCollom" <jmc@cnd.hp.com>
To: <crc@io.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [17701] RE: 49 er
Message-ID: <000101bdc99c$ce17f680$38620f0f@fcjmcp.fc.hp.com>
Mime-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Charlie,

They still list the board on their web page -- here's the entry buried in
the transmitters section:

     QRPp NORCAL 49er BOARD $4.00

73,

Jerry
W0MC

Date: Mon, 17 Aug 1998 07:56:03 +0200
From: Thomas Roth <th.roth@apc.de>
To: qrp-l@Lehigh.EDU

Subject: [17702] Re:QRP-DX on 15m
Message-ID: <3.0.32.19980817075459.0068f2cc@apc.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

thanks all who responded to my request for QSL-info on VE9XB. The QSL is on
its way.

72 de Thomas, DL4OBN, G-QRP #5672, AK-QRP #413, QRP-L #1621

Date: Mon, 17 Aug 1998 00:56:32 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Chris Cartwright <ccart@dns.vidtel.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17703] Re: EEEK!! Twin Zombies!
Message-ID: <Pine.SOL.3.91.980817004950.11007A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> On Sun, 16 Aug 1998, Robert J. Gobrick wrote:
> > As a loyal NorCal Zombie (no 163) I would just like to make a few
>
> Uh, oh! I'm sittin' here lookin' at badge #163 are we the only "twins"?
> -- Chris Cartwright,   Technical Engineer | ccart@vidtel.com   --

According to the Witchess' Sandra's sacred list ...
#163 Chris Cartwright
#263 Bob Gobrick N0EB

Now the next question, are these both PRIME numbers? Too late
for me to figure it out :-)

Sorry, Chris ... you're not a Zombie twin. Just one of a kind!

72, Paul NA5N
Zombie #004, Grand Templar
and keeper of useless information

Date: Mon, 17 Aug 1998 03:28:55 EDT
From: RangerSF5@aol.com
To: dave@cds1.net, qrp-l@Lehigh.edu
Subject: [17704] Re: Anttena Tuners Losses....
Message-ID: <884f49d2.35d7dbb8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-08-17 00:57:50 EDT, dave@cds1.net writes:

<< Subj: Anttena Tuners Losses....
 Date: 98-08-17 00:57:50 EDT
 From: dave@cds1.net (Dave Willey)
 Sender: owner-qrp-l@Lehigh.edu
 Reply-to: dave@cds1.net
 To: qrp-l@Lehigh.edu (Low Power Amateur Radio Discussion)
  >>
This is nothing new as I built a 2 watt transmiter 14 years ago inside of a
plastic medcine bottle,screwed it right to the apex of the antenna and keyed
the 2AMP battery.
It was rock bound on 7.041.
The RX was a Drake 2-B.
The antenna for the Drake 2-B was a random wire.
I operated this station for 2 years with no problems.
Thats what I like about CW mode of communications.
It's cheap and you can work the world on just a couple of watts.
Bob
WA2HOQ

Date: Mon, 17 Aug 1998 05:01:10 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17705] "Prime" Zombies!
Message-ID: <Pine.LNX.3.93.980817044421.314A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Aug 1998, Paul Harden wrote:

> #163 Chris Cartwright, #263 Bob Gobrick N0EB
> Now the next question, are these both PRIME numbers?

According to <http://www.znet.com/~schester/math/prime_numbers.html>:
The following numbers are prime: 2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,
53,59,61,67,71,73,79,83,89,97,101,103,107,109,113,127,131,137,139,149,151,
157,163,167,173,179,181,191,193,197,199,211,223,227,229,233,239,241,251,257,
263,269,271,277,281,283,293.

Now we know who the really "dangerous" Zombies are :) Of course you all
know the special power of the single digit zombie, right? Oh, and no
Zombie is in his prime <grin>. #163, just waitin' to shuffle. 72

-- Chris Cartwright,   Technical Engineer | ccart@vidtel.com   --
-- N3XRV   ARRL-VE   Norcal Zombie #163 | http://dns.vidtel.com/~ccart --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

---

Date: Mon, 17 Aug 1998 12:13:56 +0200
From: "Juan A. Bertolin" <ea5xq@qsl.net>
To: "QRP - LIST ADDRESS" <qrp-l@Lehigh.EDU>
Subject: [17706] Looking for good PL-259 coax conectors
Message-ID: <199808171014.MAA16691@smtp.bankinter.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

 Hi friends,

 I am looking for a shop in USA that could provide me good PL-259 (male and
 female) connectors (AMPHENOL??) a good price. Here in Spain the quality of
 those connectors is very, very poor - high leaks - and the price of the
 ones with better quality is extremely high.

 Anyone of you could provide me any e-mail address of telephone to contact
 with for that purpose?

 Thank you in beforehand

 Best Regards

==
==
EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
FT901DM, MFJ1796,V inv. 40,80m.

HOWES (80m,40m,30m,20m) TX2000-DXR20 5w
G-QRP #9805 QRP-L #1461

Web Site: http://www.qsl.net/ea5xq

When I picture a perfect reader, I always picture a
monster of courage and curiosity, also something
supple, cunning, cautious, a born adventurer and
discoverer...
-- Friedreich Nietzsche--
==========

Date: Mon, 17 Aug 1998 12:16:18 +0200
From: "Juan A. Bertolin" <ea5xq@qsl.net>
To: "QRP - LIST ADDRESS" <qrp-l@Lehigh.EDU>
Subject: [17707] Information about SURPLUS
Message-ID: <199808171016.MAA16857@smtp.bankinter.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi,

I am looking for information about SURPLUS shops in USA to buy military
equipments. Anyone knows any address?

Any help would be appreciated.

Best Regards
==========
==========
EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
FT901DM, MFJ1796,V inv. 40,80m.
HOWES (80m,40m,30m,20m) TX2000-DXR20 5w
G-QRP #9805 QRP-L #1461

Web Site: http://www.qsl.net/ea5xq

When I picture a perfect reader, I always picture a
monster of courage and curiosity, also something
supple, cunning, cautious, a born adventurer and
discoverer...
-- Friedreich Nietzsche--
==========

Date: Mon, 17 Aug 1998 06:36:44 -0400
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [17708] Re: EEEK!! Twin Zombies!
Message-ID: <35D807BC.1122BC3D@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ccart@dns.vidtel.com wrote:

> Maybe we're all #163... <cue the spooky music>

Nope!
Mine is #136

michael N6CHV (central FL)

Date: Sun, 16 Aug 1998 19:21:58 -0500
From: tedkell@juno.com (Ted Kell)
To: qrp-l@Lehigh.EDU
Subject: [17709] Fw: Re: Antenna Tuner Kits/10 Meters / RF LIMITERS!
Message-ID: <19980817.062433.-205141.4.tedkell@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I think Arjen has an interesting point. More interesting to me tho,
since I own an SLT, is what can be done to it to inprove it?

Ted Kell
KC5CUW
Near the Johnson Space Center
Houston, Texas
<tedkell@juno.com> -or- <tkell@nyx.net>

I can't recall a discussion of why the performance is so poor compared
to others in the light of these tests. I know, losses are unavoidable
and one dB is only one dB, but what could have been done better in the
case of the St. Louis tuner?

73,
Arjen Raateland
OH2ZAZ
EMAIL: Arjen.Raateland@vyh.fi

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 17 Aug 1998 08:09:45 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [17710] tuner losses
Message-ID: <19980817130646.CJNI13529@[199.179.189.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am a relatively old person, and learned that for low losses,
one needs large inductors and big boxes in antenna tuners.

My question simply is just how much loss there is in toroids,
which at least gets around the big box problem?

I am sitting here looking at my 60's Millen tuner, which
is about the size of a house, it seems. It's a nice machine.
Gates radio construction, as it were (huge).

73 jerry w8gnd

Date: Mon, 17 Aug 1998 08:16:09 -0400
From: John Mckee <JMcKee@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [17711] BPSK - Ok, so how do I get started?
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980817121609Z-44888@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Ok, where do I find enough info to get started. Who's doing it?
How? What frequencies? Inquiring minds want to know.

73,

John WB4OFT
jmckee@rfmd.com

Date: Mon, 17 Aug 1998 09:33:18 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [17712] RST IMHO
Message-ID: <a74127f0.35d83120@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

It sort of seems that in 99 percent of the RST reports the T is always a NINER (with a few exceptions. It appears that last digit might be better used rating the SENDING. (spacing,etc).(To simplifiy it we could go to just a 555 system making it better for contests by sending a string of F's?) At least you would be getting some useful info.Not many folks really give you feedback on your sending. How many times do you struggle thru trying to copy someone who runs those letters together and not say anything?

When you get a phone call that you have to take during SSB it is pretty easy to step away to take the call but on cw I have not found a graceful way to bow out quickly. Maybe send a string of *PC* followed by *BB* for *be back or What do you old CW pros use?

Alan KB7MBI

Date: Mon, 17 Aug 1998 06:41:31 -0700 (PDT)
From: "Patrick T. Franzis" <old_radios@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [17713] Pixie with sidetone
Message-ID: <19980817134131.12214.rocketmail@send1c.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi QRPrs,

I'm not sure why, but I have a urge to build a small rig in
an Altoids box. The pixie seems like a good choice. In the
Winter 1997 QRPp there is an article about adding a sidetone and
receive offset to the pixie using the TiCK chip for the side
tone. The XTAL (x1) is not specified in the parts list. Anyone
know what frequency this is? I'm looking for a 7040 rig.

Has anyone built this variation of the pixie? I know that
Embedded research offers a "tixie" board, but I want to homebrew it.

Thanks, Patrick N1OCJ

_____
DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Sun, 16 Aug 1998 21:09:44 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [17714] Antenna Q's
Message-ID: <01BDC9B2.60D25280.bmug@gwl.com>

I'm in the process of gathering the supplies to build the Portable Antenna
found on page 44 of the August 1998 QST and had some questions.

The basic 6M 1/4 wave vertical is suppose to be 45 inches long (plus maybe an
inch or so for the mounting bracket. This seems short to me, I calculate the
length to be 54 inches (234/52 * 12 = 54 inches). Is the difference due to
the diameter of the tube (3/4 inch)? When I calculate the length due to the
diameter of the tube I end up with 54.5 inches (492*.96/52). What am I
missing?

My second question is in the coils. What is the formula for calculating the uH
needed to resonate a shorter than 1/4f antenna?

Yes, I know this is all probably in the Handbook - I've got the 1995 edition
but I've read the antenna sections a few times and they seem to talk around it
unless you have a lot of equipment to measure the actual feed-point resistance
 etc.

I'll probably have a lot more questions but this looks like something I could learn with AND I could really use it for my next campout.

de KB0ROL, Brad

Date: Mon, 17 Aug 1998 10:04:53 -0400
From: Art Marshall <artm@t-com.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.edu>
Subject: [17715] SLV ??
Message-ID: <01BDC9C6.7CA15F60@PC-ART.t-com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have not been following the SLV too closely, are there any photos of this antenna on any web site, tks 73 Art w1fji

---

Date: Mon, 17 Aug 1998 09:58:47 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: dave@cds1.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [17716] Re: Antenna Tuners Losses....
Message-ID: <35D84527.EE0B35AD@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave, I think that you are drastically and perhaps dangerously over-reacting to the notion of coax and/or tuner loss. Somebody is likely to think that you are serious and place himself/herself into harm's way trying to operate a rig at 50 ft in the air. ;^)

Even in a system with substantial SWR - 2 : 1 or even higher - the actual loss in coax is quite low in the HF range. Check the ARRL Handbook and/or Antenna Book for a discussion of this. Proponents of ladder line are quick to point out that losses almost too low to measure and consider can be provided by proper ladder-line-fed systems.

Well-designed and operated tuners can do their job with quite acceptable

and workable losses. After all, they have been doing that for a lot of qrp years.

In the worst case, tuners can be avoided altogether by appropriate selection of feed line type, length, etc. See W6RCA's web site for details.

A db is a db and even though we are concerned with QRP power levels, antenna systems are linear systems and 0.5 db loss at QRP is no more or less important than 0.5 db loss at the kw power level. The kw system loses more absolute power, but the proportional loss is the same regardless of power level.

The complexity of powering and controlling a transceiver at an elevated antenna feedpoint is not a good tradeoff for avoiding mild coax and tuner loss. After all, we specialize in low power operation!

Now, there - see? Your troll worked! ;^)

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

Date: Mon, 17 Aug 1998 10:13:12 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17717] Elmer 101 Survey Q1-3 (Long)
Message-ID: <35D84888.3807DC5E@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is the first of a two part posting. Personal comments: We need to keep the zepp antennas extended and the booms/elements as long as possible to include the wide range of interests and varying levels of knowledge present in the world of QRP. In addition to thanking Mike and Glen, I wish to thank the presence of countless 'elmers' who asked questions about things that seemed so obvious to me...but Glenn's answers pointed out that I did not really understand or the 'elmers' who had problems and the courage to ask for help so that Mike's and Glenn's troubleshooting logic/theory helped to increase my understanding. The Elmer Sprint was an appropriate way to say 72 to this effort, although as you read the comments you 'know' that Elmer 101 will continue to live. N9KW

1. WHAT ARE THE TWO MOST IMPORTANT OUTCOMES FOR YOU FROM
YOUR ELMER 101 PARTICIPATION?

---Substantially improved practical knowledge of communications electronics AND ego gratification -- I made it and it works!!!!
---a very good understanding of the functional operation on the transceiver and a fair understating of the operation of each component and the design tradeoffs driving the selection of components and their values AND a working transceiver that is a real radio.
---I learned the specific functions of many minor components in a transceiver design and how they all come together AND I learned the 'why' behind some of the decisions (especially specific component selection) involved in a design.
---the motivation to build something. This was the first radio I have built in over 20 years. Since tubes were state of the art, I have only built 'accessories'
---joined up but no time this summer -- have saved everything and will pick it up this fall. The spirit of the thing is vital. I'm an old ham,want to pick up on the new technology and the romance of ham radio again
---learn more about RF design AND have fun building a useful/quality kit
---get this nice rig at a reduced price AND learning something new and refresh my technical knowledge
---learning how to calculate the input and output impedance AND establishing e- mail contact with other hams having an interest in designing and building.
---First the thrill I had at Field Day, drawing a crowd around my little SW40+ and other home-made devices. Secondly, the renewed interest in getting my code speed up.
---The two most important outcomes for me is that my SW40+ worked, and worked well, and I understood why it worked and worked well.
---I learned alot about design and theory. There is hope that if I keep this up I can learn to design my own.
---I have a working radio, AND I have a better clue as to what's going on inside of it.
---to have a much better working knowledge of what's going on "under the hood" AND to improve my skills in kit building.

2. WHAT IS THE ONE THING YOU WOULD LIKE TO HAVE BEEN ABLE TO CHANGE IN ELMER 101?

---for me, the process was a bit slow
---increase the pace of instruction. I went Type A about 30% through, and finished on my own
---a list of dates when each segment would appear on the list. Would allow for better planning of the time to work the project.
---I would have made it more generalized (ie., include discussion about

alternative circuits that accomplish the same goals), but I guess that the future series will cover that.
---the shaking in my hands!
---not a damn thing, it's great!
---a little faster pace, possibly one lesson per week.
---I would like to have seen more questions from participants.
---I only wish that all the lessons were available, when I was ready...I know that this is a nit, but it is the only thing I would have changed.
---I would change the pace -- in the end I followed K5FO's speeded up approach, but studied the lessons as they came out anyway. It was way too slow for such an exciting project.
---The course went way too slow. It was hard to refrain from building ahead of the class.
---I would have liked to see more of the e-mail between participants. I think quite a lot of e-mail was never posted to the group at large.
---The time it started turned out not to be the best time for me but this is because we have such a short summer here so my 40+ had to be put on the back burner, probably until September -- our cold, blowin' winter Saskatchewan nights are excellent for fox hunting and kit building :-)

3. ALL THINGS CONSIDERED, THE ELMER 101 PROJECT FOR ME ---

---was a great success, both goals were accomplished
---was a resounding success: truly knowledgeable people helping those who needed help in the best tradition of amateur radio.
---it exceeded my expectations. I was impressed with the depth of knowledge of the Elmers and the willingness to respond to stupid questions. They represent the best of what the hobby offers. It also demonstrated how effective the internet/e-mail can be to provide a pseudo interactive learning capability. I am considering using it as an example of how our company can provide training to our employees in the field
---was a good RF design tutorial "next step". This kind of information is 'not' in books!
---was very rewarding. I am just glad I don't do that too often! It really was fun, but I wouldn't want to do it more that once a year!
---is a revitalization of the real spirit of ham radio. Thank you
---was GREAT! One of the best kit building experiences I have ever had.
---was a blast!
---Elmer 101 for me was a rip-roaring hoot!
---Elmer 101 was for me one of the best experiences of my 30 years of ham radio
---Was wonderful. I wish I had been able to spend time on the project more consistently, but this just isn't a perfect world.
---Was a worthwhile effort. I learned alot from it and built a great little rig for a friend and non-qrper
---All things considered, the Elmer101 project for me is without doubt a very worthwhile thing to do...it does and will fullfill the two reasons

why I participate in QRP and that is to have fun and learn more.

72

Date: Mon, 17 Aug 1998 10:15:57 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17718] Elmer 101 Survey Q4-5 (Long)
Message-ID: <35D8492D.3F698FAD@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is the second of a two part posting. N9KW

4. WOULD YOU HAVE PURCHASED AND BUILT THE SW40+ WITHOUT THE PRESENCE OF ELMER 101? (RATIONALE)

---most definitely. And to be honest, I waited awhile to build the kit and then did it in a total of one weekend somewhere about the middle of the project. I did not really follow the "classes" so to speak
---not likely at all. Yes, I built a Tick keyer last year (my first ever working electronic project !!!), but to spend money on something that wasn't already working is not my normal decision style. Now I'm pushing to get on the EleCraft K2 Field Test.
---Yes. I am working toward 20 wpm code for an upgrade to Extra. To keep my interest high, getting involved in real QSOs is a must and 40M seems the best choice for speeds I can copy. As an apartment dweller, 40M operation is pretty much out of the question, so I wanted a rig I could go portable with. The low price just clinched it.
---not sure. I was in the market for a kit. In fact I was trying to figure out which one when the announcement came out. It sounded like a good way to save a couple of bucks and any short comings (there are none) would be addressed by the list and fixed through a series of modifications.
---no. I would have purchased an MFJ 40M (9040 I think), but the knowledge that I was not the only one who would be building their first kit in a long time got me off my butt
---probably, Dave Benson is one hell of a designer and a great supporter of what I think is the essence of this hobby.
---Probably not. I didn't know anything about SWL or their kits. Didn't really need another 40m qrp rig. Very, Very happy with the outcome and considering selling one of my "unused" 40 m rigs that the sw40+ has replaced.
---No way! I need another 40m CW XCVR like a hole in the head! I bought

the kit so I'd know what the discussion was about.
---Yes, In fact I purchased both the Kit and the Case package. Even if I don't find time to build it this year, at least I have one for when I do find the time. Besides, I can always just hold it in my unbuild kit locker until it becomes a valuable artifact. Things like these are a one of a kind, limited edition item so you have to buy them when you have the chance. I can always download the Elmer 101 Archives for later
---Yes, because I had already gotten brave enough to try several OHR kits. But, having said that, I gained immeasurably by the posts derived out of Elmer101.
---I did -- I was looking for a kit to built -- this was the 'current' kit being offered at the time. Good kit :).
---I would not have chosen this radio or purchased it without the Elmer 101 course. Another 40 meter QRP rig was not high on my needs list, but it is my favorite 40 meter QRP rig now!
---No. I have other 40M kits, and have built many kits with no problem. I built it because I wanted to follow the course and be able to experiment with the class. Having completed the rig, I think it is a very good design and it seems to work very well. I would recommend it to others.
---I had considered building the rig, based upon information presented by Jim Duffey at Ft. Tuthill, AZ in 1997. I had only a 40 meter rig before; now I have a 30 meter rig, too.
---Probably because I don't have a small qrp rig for 40 mtrs but the 'main' reason I became a student was to learn.

5. MISCELLANEOUS COMMENTS, including non-participants in Elmer 101.

---Let the mods begin! Have added a K1EL keyer. Want to look at increasing output, but not necessary. Also am interested in adding RIT possible. Great little rig!
---I didn't get involved because I have been occupied with a long distance move for several months (and for several months to come!) I've recently retired from a career as an RF Circuit Design Engineer, and hope to contribute in the future.
---what is it about the QRP-L community that so nicely meshes with my needs? Witty, insightful, gracious, and supremely knowledgeable people who are willing to share of themselves and their time to help me become better! There must be a GOD! (and listen closely 'cause he operates QRP most of the time.) 8<)
---I can't wait for the next part to start!
---too expensive. What should have been a friendly round-table of discussions, ideas, and how-to turned into a project that cost each participant over $150 for books and equipment. If I had had the $150 I would have just enrolled in a local class.
---I've been following/reading the Elmer101 posts since I subscribed to this list. The Elmer101 was already on part 5 at that time. If I had been here from the start I may have participated. I have never built a

rig from a kit before but have built a number of homebrew projects, usually on Perf-board first then onto PC boards (made with the mylar patterns from a copy machine and Photo exposed/etched and then touched up afterwards). Filters keyers etc. Always something I needed (or thought I needed) to go with the rest of the gear.
---really a confidence builder -- not enough though to try designing something, however, this winter a 15m or 10m version would be great!
---O.K., call me a romantic -- but this is what it's all about -- build something that is budget sensitive, educational, and works too. Not only that but encourages creative follow-on work in antennae, propagation, and operator skills, too. I really appreciate the departure from digital/menu/programming stuff and re-emphasis of the fundamental "nature" of our hobby. Thank you for the opportunity to express all that -- 72
---Did not participate because I just did not get around to ordering the rig. However, I did follow the comments. These are always beneficial no matter what experience level you are. I enjoyed it and think it was a real sterling use of QRP-L.
---Misc comments from a "non-participant." I built the second 40+ off the line and participated by giving Dave additional feedback on the draft manual. I "audited" the course, learning much in the process, though I suppose I was more toward the Elmer end of the spectrum than the novice end. The course itself was a terrific idea, well executed. A novice out there had to believe that he/she could finish a working kit with all the help available.
---I did not build the sw40+. Two years ago, I started the sw40, and thanks to the inspiration from the Elmer 101 project, it's finally up and running. (NN1G was a great help, too.) I wish that I had built the Elmer 101 project instead, because of the process of building and testing in stages. That would have saved a considerable amount of frustration. I really enjoyed reading along, and might just build the 20 or 30m version because I get a kick out of this "free education" stuff. In retrospect, I imagine that over and above the design upgrades, Dave is now producing a much better construction manual. I intend to listen for the folks that built the 40+ on Aug.13 and am very glad that that the rest of us will be able to participate in this way.
---Enjoyed it very much. I would have liked to see more postings to the list. I suspect there was some information that was not available due to some postings being sent direct.
---Even though I didn't actively participate in the program, I found that reading what others posted was both interesting and enlightening. I found the troubleshooting tips and data very valuable.
---I look forward to all the ElmerXXX series with sheer enthusiasm. This is the future of Amateur Radio as far as I can see.
---I thought that the online stuff was great. 'If' I was a beginner, I think it would have been really easy to put together a radio that worked. Now, if only it had been a 6 meter rig. ;))
---I hope this is not a one time thing and that the Elmer 200 and 300

are followed by others.
---Great project idea. I'm looking forward to the Elmer 200 and 300 projects as well. The internet sure comes in handy for amateur radio!
---Even though I don't have my 40+ finished, I still consider myself an Elmer101 student -- I 'will' get it finished and I 'will' learn in the process -- I've already learned from the Elmer101 postings -- I did get on with my "other" rig for the last 40 minutes of the sprint and like many others reported, my ears were being blasted with big QRN -- but I did manage to work WA5YFY and that was that -- 72   "QRP! How sweet it is!"
---I wish that I could have gone along with the rest of the students but that just became impossible with my situation here -- but I have been reading all the Elmer101 posts and I have Mike's web address in order to make sure I have all the text concerning this project -- I have quite a bit of the text but maybe not 100%
---I see that I removed my ELMER 101 FILTER too soon

COMMENTS ATTACHED TO ELMER SPRINT LOGS

---A BIG thanks to all the Elmers who worked on the project and were patient with all my questions. I learned more than I could have imagined.
---The SW-30 gave a good account of itself, & is a fun lil rig to operate. All in all, a fun coupla hours. Thanks to Mike M., Dave B., and all the elmers for putting this show on the road. "72"
---Everyone involved from Dave Benson to the students to the other organisers should be thoroughly commended on a splendid project. Even those of us who merely "looked on" via the reflector and web page profited from the project. Congrats.
--- I would like to add my thanks to all the elmers. My SW-40+ is a cute little rig and I really have been havng fun with it, talking to people all around the country in the last couple of weeks. To me, what was even more important was what I learned in the process of building it. I would say the Elmer 101 course was a huge success.

72

Date: Mon, 17 Aug 1998 10:23:45 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17719] Elmer 101 Survey
Message-ID: <35D84B01.AF0AEEA@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wish to apologize to ELMER Glen Leinweber for my incorrect spelling of his first name several times in the Elmer Survey.

72 John N9KW QRP-L 1257 Elmhurst, IL

Date: Mon, 17 Aug 1998 10:19:29 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [17720] Re: RST IMHO
Message-ID: <35D84A01.4F36F511@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The usual prosign for WAIT is didahdididit or AS sent as one character. This is the universal "standby" prosign, I believe.

I agree about the RST abuse. However, I suspect that we will be burdened with the RST system in CW forever. It was conceived in the 30's and useful in that and later decades when homebrew systems of (sometimes) doubtful parentage and signal quality were the norm. Anyone remember the sound of a barely modified Command transmitter with power-supply negative lead keying in the late 40's? ;^)

With the overwhelming use of commercial transceivers these days - and excellent honebuilt QRP rigs! - virtually all signals are T9 without fail. So, the "T" is excess baggage. In fact, the standard (worthless) contest signal report (commonly sent at 80-90 wpm) is "599" without regard to the actual signal strength or quality.

I have found that only on QRP do signal reports actually provide honest and useful information. But, that is true of most aspects of amateur radio operation!

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

ARDUJENSKI@aol.com wrote:

> When you get a phone call that you have to take during SSB it is pretty easy

> to step away to take the call but on cw I have not found a graceful way to bow
> out quickly. Maybe send a string of *PC* followed by *BB* for *be back or What
> do you old CW pros use?
>
> Alan KB7MBI

Date: Mon, 17 Aug 1998 10:21:53 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: jwodell@ameritech.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17721] Re: tuner losses
Message-ID: <35D84A91.C3AD78C9@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ah, Jerry, but isn't it lovely to look at? ;^)

Jerry W. O'Dell wrote:

> I am sitting here looking at my 60's Millen tuner, which
> is about the size of a house, it seems. It's a nice machine.
> Gates radio construction, as it were (huge).
>
> 73 jerry w8gnd

72/73, George didit dit
Amateur Radio W5YR, 52 years and counting! 33.2 N 96.6 W EM13RE
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403 ICQ #16819496
AutoPOWER Systems, Fairview, TX (30 Mi. NE of Dallas) 10-X #11771

Date: Mon, 17 Aug 1998 08:23:33 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <nilsbull@juno.com>
Cc: <qrp-l@Lehigh.edu>
Subject: [17722] Re: Lookin' fer some pinchers of old radio
Message-ID: <003d01bdc9f3$001a4740$294ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Nils -

Link up to my web site listed at the bottom of this message, and you will find plenty of vintage radio links (and photos) on my web page links.

CUL, Bill-N7MFB

http://www.willapabay.org/~bill
ICQ me @ 8926298

Date: Mon, 17 Aug 1998 08:32:40 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Chuck Adams" <adams@chuck.dallas.sgi.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [17723] Re: Reminder: NERD'S Contest - Sept 12th
Message-ID: <007d01bdc9f4$4927f300$294ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Chuck (and the QRP-L) -

Sorry about goofing up by sending this NERDS Contest info in HTML format! (ooops).

I am still getting used to this Outlook Express mail program, and I thought that the
cut and paste job (from my web page) would come out in standard ASCII text.

I will send out the information again in standard ASCII text.

CUL, Bill-N7MFB

http://www.willapabay.org/~bill
ICQ me @ 8926298
-----Original Message-----
From: Chuck Adams <adams@chuck.dallas.sgi.com>
To: bill@willapabay.org <bill@willapabay.org>
Date: Sunday, August 16, 1998 5:19 PM
Subject: Re: Reminder: NERD'S Contest - Sept 12th

>Bill,
>
>Would you like to repost in plain ASCII? Please.
>
>Chuck Adams K5FO Dallas,TX   CP-60
>http://reality.sgi.com/adams adams@sgi.com

Date: Mon, 17 Aug 1998 11:33:08 -0400 (EDT)
From: Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>
To: John Mckee <JMcKee@RFMD.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>
Subject: [17724] RE: BPSK - Ok, so how do I get started?
Message-ID: <XFMail.980817113308.mulveyr@mulveyr.roc.servtech.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 17-Aug-98 John Mckee wrote:
> Gang,
>
> Ok, where do I find enough info to get started. Who's doing it?
> How? What frequencies? Inquiring minds want to know.
>

Hi John:

   Well, first you can subscribe to the BPSK reflector at QSL.NET

   Secondly, try looking at http://members.aol.com/warmspgs/lfham.htm#bpsk

   Third, you'll need to build a BPSK interface for your rig (or, you may be able to use a soundcard.)

Have fun!

   - Rich

--
Rich Mulvey
My return address is my last name,
   followed by my first initial, @mulveyr.roc.servtech.com
http://mulveyr.roc.servtech.com
Amateur Radio: aa2ys@wb2wxq.#wny.ny.usa

Date: Tue, 18 Aug 1998 01:40:48 +10
From: "Eddie HANHAM" <eddiehan@nlc.net.au>
To: qrp-l@Lehigh.EDU
Subject: [17725] Help re Unusual Component Markings
Message-ID: <199808171545.LAA21292@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Guys,

Been trying to identify some extraordinarry component markings not listed in usual places ARRL etc ie:

a. Marking to identify Mica Capacitors. Bought some Farnell ones recently and they looked similar to others I have seen but cant decipher markings -" ACLD19 0681F 9642" is 680pf, what does the rest mean?? How do you normally identify mica capacitors these days? Used them for LDG AT11 Tuner.

b. Diode like a signal diode but with a green band around it and green "H" .

c. Resistor 1/4 watt, ring markings: brown black black orange "C" purple. The letter" c" is on the resistor. It measures 96k.

d. Component that looks like a chip capacitor inside a plastic case about the size of a large signal diode pink bands at each end marked: "104z 250v 8320".

Thanks in anticipation.

Eddie HANHAM Phone 61 2 93274118
20 HARRIS STREET Email eddiehan@nlc.net.au
Paddington VK2BEH
New South Wales http://www.zip.com.au/~sb/wars/wars.html
AUSTRALIA 2021

Date: Mon, 17 Aug 1998 09:46:45 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqclist@mtechnologies.com
Subject: [17726] CQC Summer QSO Party next Sunday
Message-ID: <199808171547.JAA31776@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Well, it's that time of year again. The Colorado QRP Club's Summer QSO Party is next Sunday, August 23, from 1800-2359Z.

There are some CHANGES in the rules! First, there is a PORTABLE class, which replaces the previous Novice class. Second, in view of problems with the Winter QSO Party logs, we are asking that logs be e-mailed to cqccx@mtechnologies.com or snail-mailed to the Club's PO Box.

I'm looking forward to hearing you Sunday... 73 DE Marshall, N1FN

Colorado QRP Club announces the 1998 CQC Summer QSO Party

Date/Time: Sunday, August 23, 1998   1800 UTC to 2359 UTC

Exchange: RS(T), State/Province/Country, First Name, and Member # if CQC member, power output if not
ie: 579 CO JIM NR 04 or 579 CO JIM 5W

Suggested frequencies:
CW 1825, 3560, 3710, 7040, 7110, 14060, 21060, 21110, 28060, 28110
SSB 1910, 3985, 7285, 14285, 21385, 28385
No contacts on 30, 17 and 12 meters allowed

Classes: Single Band
Multi-band (all single operator only)
Portable (away from home QTH, portable power, portable antenna)

QSO Points: CW: CQC member 6 pts, non-member 4 pts
SSB: CQC member 3 pts, non-member 2 pts

Multiplier: States/Provinces/Countries worked.
The same station may be worked on different bands for additional QSO points and multipliers. Contacts on the same band using a different mode counts for QSO points, but not as an additional multiplier

Names: Total of first names from Name sheet. One first name per letter of
the alphabet. Name must be your commonly used name.

Score: Total Score = QSO Points x Multipliers x Names

*Bonus points for working Club Station W0CQC - Add 1000 points to your FINAL
score for working W0CQC

Power: Stations must use 5 watts or less output, CW or SSB. There are no
power multipliers.

Awards: To Be Determined, Highest Score in each class

Submit log (postmarked within 30 days of contest end) showing:

Band, Mode, Time UTC, Station Called,
RST Rc'd, SPC Rc'd, Name Rc'd, Memb# Rc'd
(or pwr out if not CQC member), SPC Mult., Name mult.
Points

On a cover sheet include your name, call, SPC, CQC# (if member),
power used. A description of your rig, antenna, and comments
would be appreciated. Also include a score recap, the calculation of your total final score.

Electronic logs in ASCII text format only, may be sent to:
cqccx@mtechnologies.com

or mail to: CQC, POB 371883, Denver CO 80237-1883

Date: Mon, 17 Aug 1998 11:17:26 -0600
From: "Alyn Backe" <ve6bpr@cnnet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [17727] Zombie Shuffle Question
Message-ID: <000e01bdca03$0e2bb520$9006e5cf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello fellow zombies. This is zombie #158, VE6BPR.
I was reading through the zombie shuffle info on the Norcal site. The information said the exchange information is to be RST, SPC, NAME, and ZOMBIE NUMBER.

Question: What is SPC?

Thanks, and 72/73, AL, VE6BPR....sk
Nocal #2315
QRP-L #1144
Zombie #158

Date: Mon, 17 Aug 1998 13:26:21 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [17728] Re: 10 MTRS
Message-ID: <48381.owen@piper.eeel.nist.gov>

In message Sun, 16 Aug 1998 05:34:30 -0700,
  "Harvey D. D. Hetland" <n6mm@earthlink.net> writes:

> I spent some time on 10m CW this afternoon and early evening (about 1900
> to 0200Z) with a mixed review. He put me on the packetcluster.   It was my
> observation that the openings were rather short in duration and DX
> stations heard numbered more than USA stations heard.

Harvey has brought something up that I think needs to be considered by all QRP'ers, DX'ers and even VHF operators. First Harvey was right, on Sunday at least, 10 M conditions were not great but I worked the special event station L59L on 28.440 about 2030Z. However, I worked a LOT of DX on 15M between 2030Z and 2130Z. Worked TJ1PD in Cameroon (59), 4X4KU in Isreal (58), 9K2UB in Kuwait (59), TA2IJ in Turkey among others. How did I find all these DX stations on 15 when I was monitoring the 20M county hunters net frequency. I decided to connect to the DX packet cluster and they all popped up with their frequencies. It showed that there was also a lot on DX on 18 & 24 Mhz and a lot of CW activity. Last week there was a lot of VHF DX on 6meters and even as high as 432 Mhz here on the East coast. There was more DX than I HAD TIME TO WORK. I believe that if many of us got on the packet cluster we would work a lot more DX. The cost is cheap, (I have $75.00 in it), since most of us have a computer and a 2 meter rig (an HT is just fine) all we

need is a TNC. I paid $75.00 for a used KAM KPC3 VHF only. I wish I had done this a long time before now. Just a thought. Think about it. 72 Jim K4CGY

Date: Mon, 17 Aug 1998 12:33:36 -0500
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [17729] HTX-100 schematic
Message-ID: <BB6584384834D211AFC00000F8BDCA842B2D5E@alrsrv02>
MIME-Version: 1.0
Content-Type: text/plain

I am looking for the schematic for the Radio Shack HTX-100 10m transeiver. I did get the manuals electronically from the Tandy website, but still need the schematic, please.
Thanks in advance,

Steve Brockwell
KC5TTY

Date: Mon, 17 Aug 1998 10:47:45 -0700
From: k6hcj@juno.com (Marv Fagenson)
To: qrp-l@Lehigh.EDU
Subject: [17730] Eqpt for sale
Message-ID: <19980817.104746.3438.0.k6hcj@juno.com>

I'm posting for my good friend, Russ, KG6IP. Home:805-949-0646,
Work: 213-730-4260,
Email: KG6IP@qnet.com
1.40 ft tower tubular crank up/tilt over
2. HyGain Explorer 14 Tribander(20-10)
W/ 40 M add on kit
3. Mosley 12/17 rotatable dipole
4.Yaesu FT757GX xcvr
5.Yaesu FP757HD pwr supply
6. MFJ Versa Tuner III tuner
7. JPS NIR10 DSP filter
8. MFJ 1272BX Mic/TNC SWitch
9. Complete Packet system:
AEA PK232 MBX, Yaesu 208R 2M HT,
Astron 7A Pwr supply
Mirage B34 (35W Amp)
4el 2mtr beam

Please discuss Price with Russ.
Tnx
Marv Fagenson
k6hcj@Juno.com

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 17 Aug 1998 10:49:21 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.EDU>
Subject: [17731] Re: Z-matches, T-matches, radio matches & cricket matches
Message-ID: <03f701bdca07$5d26d610$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils --

So you got the Sierra going! That was quick. FB!

But what about the cricket matches? I've been trying to tune those guys up with no success. Just as soon as I think I got one o' them guys all synchronized up, he fades, and another one comes up on the same frequency but with totally wrong phase. Arghhh! About that time the skunks start movin' around the band. You think digitalists are a problem -- you ain't smelled nothin'. So, no cricket QSOs again. I know that Joni Mitchell has a nice long cricket QSO goin' on one of her albums, so I know it can be done. Just haven't been able to tune 'em up right.

I'll keep trying. Figured my best chance would be after working the Sweepstakes contest. Bands should be empty except for the crickets, and my ears should be all tuned up for it after the contest. After all, I've had some pretty fb QSOs with the showerhead and the refrigerator after previous contests. Only problem is, I'm not sure if the cricket population propagation will still be OK that late in the season.

Mike K1MG

Date: Mon, 17 Aug 1998 11:58:57 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Alyn Backe <ve6bpr@cnnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17732] Re: Zombie Shuffle Question
Message-ID: <Pine.SOL.3.91.980817115643.24093A@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Aug 1998, Alyn Backe wrote:
> Hello fellow zombies. This is zombie #158, VE6BPR.
>
> Question: What is SPC?

Sorry ... SPC is an abbreviation for STATE/PROVICE/or COUNTRY code.

72, Paul NA5N

Date: Mon, 17 Aug 1998 13:11:26 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [17733] More Z-match Zorro & Cheese Otters stuff
Message-ID: <19980817.131239.9238.1.nilsbull@juno.com>

Gang,

I've noticed that the Z-match argument is runnin' pretty well on its own, so all I can do is say that, until I tried one of them Z-match doodads (and noted the statement about "shorted turns equals loss" stuff), I've found that a one-knob tune up is just fine with me.

I hosed my version of the Z-match up to the wire that's stapled to the rafters of the garage & had a couple 40m Qs. Then I hosed it up through a chunk of RG58 to the 30m verticle & had a couple Qs & then I used the

same antenna on 30 and heard some stuff.

The open wire (well, ok, tv twin lead) dipole tuned up real sharp on
either band.

So if it works like that, I'll use it. Next beach house vacation. Which
is another story. The biggest hassle in building a Z-match is isolating
all that stuff from your paws. Plastic boxes are nice to work out
problems & design screw ups in, but they are dagnab hard to tame for hand
capacitance effects & the like.

I wonder . . . can a stupid like me get some sheet metal folded to the
size of a Sierra case but about 3 inches deeper? Hmmm . . . .

73
Nils
 . . . out in the yard working today, diggin' up the spot where the torn
down outbuilding/former garage sat. Many shovels full of red brick dust &
grindings. All I could think of was all those migrant farm hands at the
local plant nursery, doin' this for a livin'. Tantas vidas . . .

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
http://www.geocities.com/Athens/Olympus/9172

_____
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Date: Mon, 17 Aug 1998 14:04:13 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: eddiehan@nlc.net.au
Cc: QRP-L@Lehigh.EDU
Subject: [17734] Re: Help re Unusual Component Markings
Message-ID: <19980817.140536.7598.0.N2TPA@juno.com>

 "Eddie HANHAM" <eddiehan@nlc.net.au> writes:
>
>Been trying to identify some extraordinarry component markings not
>listed in usual places ARRL etc ie:
>

>a. Mica Capacitors.-" ACLD19 0681F 9642" is 680pf, what does
> 681 = 68 X10 to the 1st power (X10) 680p
   682 = 68 X10 to the 2nd power (X100) = 6800p
> 683 = 68 X 10 to the 3rd (X1000) = .068,
     etc.
     9642 sounds like a Manufacturing run (the 42nd run of '96)

> b. Diode like a signal diode but with a green band around it and
> green "H" .
> -House marking. Probably signal diode and the band is Cathode.

>c. Resistor 1/4 watt, ring markings: brown black black orange "C"
> purple. The letter" c" is on the resistor. It measures 96k.
> -1 or 2% Brown = 1
     Black = 0
     Black = 0
     Orange = X1000
      = 100 X 1000 = 100,000 Ohms
     C must be code for tolerance

>d. looks like a chip capacitor inside a plastic case about the size of a large signal diode pink bands at
> each end marked: "104z 250v 8320".

> -.1uF capacitor, 250VDC, 20th run of '83
>
Bill Lazure,
N2TPA
Syracuse, NY

_____
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Date: Mon, 17 Aug 1998 11:21:16 -0700
From: "Barry L. Geipel" <bgeipel@primenet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [17735] Intro and stories
Message-ID: <199808171820.LAA15366@newspaper.cwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi all, Barry, KF6RDI here,

I just thought that I would drop a note introducing
myself and tell you all about my first week in HF CW.

I got my Tech ticket back in may and a few weeks later
tried to go for my General. I passed the written with
no problem, but I basically just sat and listened to the
13wpm tape. I did pass the 5wpm by getting 43 straight
letters.

Last week I finally got a HF rig. It is a totally
beautiful Heathkit HW-8 running 3 watts. My temporary
Ham Shack is my Jeep Cherokee. I took of my old CB
whip and replaced it with a 40 meter Hamstick. After
4 hours of tuning I got an SWR of 2:1 on 7.110MHz.
I added an antenna tuner that I picked up at a swap
meet which got the SWR down to 1:1. I was not
expecting to much from this setup (it is only
temporary until I get my dipole up at my house).

The first night was a bit frustrating. I was basically
chasing CQ's with no results. I started to think that
I was not getting out. I finally gathered the nerve to
call CQ myself on a frequency that had been active.
So a called CQ CQ CQ DE KF6RDI KF6RDI KF6RDI/QRP K
As soon as I sent K, I heard my call sign coming
back! It was KF6LOP calling with a signal report of 579.
He said his QTH was Oroville, CA. I did not know where
it was, but I assumed it was somewhere local. When I got
home I checked the map and lo and behold, Oroville is
way up in Northern California (I live near Los Angeles).
540 miles, not exactly DX, but further than I have ever
called before.

In the next few nights, I talked with KF6LOP a few more
times and then hit W6RA in Eureka, CA. Much further, but still
in my own state (A very big state though :)

Then, last Friday I worked N5MKU in Pawnee, OK. 1200 miles
with an RST of 539!

My real goal was to work my Uncle (WA0NUH) in Ft. Collins, CO.
Saturday night I was calling CQ, and he came back! Very cool
and quite a gratifying first week in this hobby.

My ability to copy code is still pretty weak. So if you happen
to hear KF6RDI/QRP calling CQ, slow down :)

--

Barry L. Geipel (KF6RDI) ||
Email:bgeipel@primenet.com || Lacking a muse, my mauser
NRA HMGS-PSW ARRL || must be my thunderbolt
QRP-L #1653 ||
     http://www.primenet.com/~bgeipel/barry.html

Date: Mon, 17 Aug 1998 12:21:06 -0600
From: "Alyn Backe" <ve6bpr@cnnet.com>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [17736] Zombie Shuffle Question. TNX
Message-ID: <000f01bdca0b$cd8f1800$8a06e5cf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who replied to my question regarding the SPC exchange in the
QRP Halloween event. Hope to work many of you on 40 meters!

Best 72/73, AL, VE6BPR....sk
zombie #158

Date: Mon, 17 Aug 1998 11:24:18 -0700
From: "Barry L. Geipel" <bgeipel@primenet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [17737] Questions
Message-ID: <199808171823.LAA15461@newspaper.cwi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I am new to all of this, and I have a few questions about
protocol. I have heard some signal reports that go like this:

UR RST IS 599 599 BT

which is what I would expect based on my reading. But I
also hear signal reports like this:

UR RST IS 599 5NN BT
or
UR RST IS 599 5N BT

I assume that the 5NN is just a shorthand for 599. Is that
correct or is there some other meaning?

73

--

Barry L. Geipel (KF6RDI) ||
Email:bgeipel@primenet.com || Lacking a muse, my mauser
NRA HMGS-PSW ARRL || must be my thunderbolt
QRP-L #1653 ||
     http://www.primenet.com/~bgeipel/barry.html

Date: Mon, 17 Aug 1998 14:35:45 -0400
From: "ohr" <qrp@ohr.com>
To: <qrp-l@Lehigh.EDU>
Subject: [17738] New OHR 500
Message-ID: <199808171831.OAA28442@ns1.net-port.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello everyone,

Our new OHR500 transceiver is almost ready to go. I will start shipping in
about 4 - 5 weeks. The introductory price is $349.00. Please see our web
page for more details. The address is <www.ohr.com>.

73,
Dick

Oak Hills Research

Date: Mon, 17 Aug 1998 14:36:30 +0000
From: "Benjamin F. Poinsett" <benmail@erols.com>
To: qrp-l@Lehigh.EDU
Cc: benmail@erols.com
Subject: [17739] Interesting QRP Contact
Message-ID: <35D83FED.6E53@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

Hi gang,

Being a cliff dweller I am always experimenting with indoor antennas.
Today, I loaded up my condo window frame. There are a lot of windows
in my condo. I am using my ZM-2 tuner with a wire counterpoise on
the living room floor to complete the antenna system.

At 1554 UTC I heard =938P2R=94 calling CQ on 7023 kHz. What the heck, I
gave him a call with my Wilderness Radio Sierra running about 2.0 watts.
What=92s this, he came back to me!

His signal was RST 569 and he gave me 339. His QTH was Barbados.
The band was fading. He ask me about my power and antenna.
I replied and told him about my rig, power, and antenna. He did =

not return so I assumed the band faded out.

Has anyone worked this guy on 40 meters? Does anyone have =

an address for 8P2R? I=91d like to send him a QSL.

The idea that he may be =94bootlegger=94 has crossed my mind. The =

skip on 40 meters isn=92t usually that long at that time of day.
Forty meters, however, has been acting a little strange so anything
is possible?

72 & 73,

Ben Poinsett, K3BP
Bethesda, MD

Date: Mon, 17 Aug 1998 14:49:15 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@Lehigh.edu>
Subject: [17740] Tuner losses
Message-ID: <Pine.GSO.3.96.980817141341.9944B-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some questions have emerged about the losses one might expect from various antenna tuners.

The losses for any network matching circuit using reactive components are registered by what Terman (using the parlance of his day) called delta. The ratio of delta (which some today call working Q, among other names) to the Q of the components gives us a measure of efficiency. The lower the delta and the higher the component Q, the higher the efficiency.

Not all matching situations can result in a super-low delta. If you want to see what some actual working figures might be, look in HAMCALC at the program by ZL1LE, which has modules for most of the circuits encountered ham antenna tuners, from C-L-C Tee to PI to SPC to Ultimate. Brian gives a figure for delta for each matching situation.

Now comes the question of component Q. The Q of most of the coils in antenna tuners that I have seen would be close to 200 or above. Modest matching demands might yield a delta of up to 2, and that is a 99% efficiency. Some stretches result in deltas up to 8 or 10, and that drops efficiency down to 95% or so. This is in the neighborhood of 0.2 dB.

These numbers do not include losses in that 4:1 "balun-transformer" at the output. These vary in design and quality so much, that I cannot say how much is lost in any one of them. Each requires its own testing, especially in terms of how it handles reactive loads. These number also do not include losses due to strays inside metal cases that pack the components tightly enough to give continuous coupling amongst almost every thing in the case.

So, delta is largely a function of the load to be matched over and against the type of network used to effect the match. Q is a function of components. Efficiency in % is a ratio of the two substrcted from 100.

These figures also do not apply directly to true link coupled tuners where the input, output, and coefficient of coupling can be matched together to effect the most efficient transfer of power. 99% efficiency is easy to obtain in most well-designed and constructed link tuners. However, being able to either adjust the input side with a series capacitor or to adjust

the coefficient of coupling (for example, with a swinging link) are critical to obtaining maximum efficiency. Otherwise, the link equivalent of delta can rise with some kinds of loads, depending on the overall coupler design and the load components.

>From 80-20 meters, coax line losses--when matched are quite low. But with a tuner, we would normally have a balanced output, and parallel transmission line losses are much lower. A very good output matching and line system from 80-20 meters might net a worst case figure of 95% efficient overall--which might be better than some direct coax feed systems. If any part of the system is less than very good, then all bets are off, but most yield a good 90% efficiency--or a max of 10% power loss.

Under certain conditions--where the consequences of not accepting a power loss are worse than those of accepting it--one might accept a 1 dB decrease in power available to the antenna--or roughly 75% of the power getting out. 1 dB is the least power differential that can be discerned in hearing, and most receivers will not register the difference as anything visible on the S-meter (where 5 to 6 dB make up each S-unit) or in the audible output.

Notice that the acceptance of the 1 dB loss is "under certain conditions." This means that one is aware of the loss and of the loss mechanisms and finds no acceptable alternative. If you do not know the conditions, you cannot know whether you have a loss, let along whether it is correctable or not. Hence, getting more familiar with all of the loss mechanisms and their possible correctives is imperative for every QRP operator. Unless the antenna feedline system is a 50-ohm to 50-ohm type, the antenna to feedline situation is usually not the greatest source of eliminable loss. Coax quality, tuner design and components, and simple things that can be altered to give the tuner a lower delta to handle usually come in first.

There are some notes at my site on network tuner delta and efficiency, as well as the link coupled series being printed in QQ. Handbooks have more information of reducing losses all the way from the final amplifying device to the antenna.

Hope this helps reduce the dB worries just a bit.

-73-

LB, W4RNL

L. B. Cebik, W4RNL
1434 High Mesa Drive
Knoxville, Tennessee
37938-4443 USA
(Off)(423) 974-7215
(Hm) (423) 938-6335
(FAX)(423) 974-3509
cebik@utk.edu
URL: http://web.utk.edu/~cebik/radio.html

Date: Mon, 17 Aug 1998 11:57:42 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <nwq-l@scn.org>
Cc: <qrp-l@Lehigh.EDU>
Subject: [17741] NERD'S Contest info (ASCII)
Message-ID: <000601bdca10$eac4dea0$1e4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

[Dear Group(s) - Here is the NW QRP Club's NERDS Contest announcement again - this time, in a format that you can read (hi)]

Announcing the ultimate antenna designers contest -
The NorthWest QRP Clubs' "NERDS" contest
("Normalized Expedient Radiator Designer's Sprint") - 9/12/98!

The goal of our QRP contest is to encourage QRPers to build and erect an antenna
on site, rather than depend on a pre-existing home antenna array. Therefore, this
contest encourages antenna designing as well as contesting skill.

"N.E.R.D.S." RULES: Participants will be given ONE hour before the start of this
contest to build and erect an antenna on site (no pre-assembled antennas will be
allowed) There is no restriction re. operating from your home QTH, but you must
build and erect your antenna just the same.

Materials Allowed: Participants will be allowed 200 feet of wire, 300 feet of rope or
twine, etc., 100 feet of any kind of feedline you desire including all the insulators,
etc. you might need to use. ** A second antenna may be erected at the same site,
using the same formula of 200 ft of wire, etc., but you still have only ONE hour to

build and erect all the antennas you use **

DATE/TIME: Sunday, Sept 12, 1998 - 1800 to 2359Z MODE: CW only

EXCHANGE: Call, RST, State/Prov/Cty. and NW QRP Mbr #, or power level used.
Example: "N7MFB DE KV9X UR 559 TX NR 314 BK"

OPERATING CATEGORIES: QRP, 5 wts output or less, or QRPp, Less than 1
wt output.

QSO POINTS: 5 points for every QSO, but you get 10 Points for each QSO with
a
NW QRP Club Member. The same station may be worked on different bands for
additional QSO points.

FREQUENCIES: Standard recognized QRP frequencies (no WARC bands).

SCORE: Total score = QSO points times your Operating Category (i.e., QRP= X
2 -
QRPp= X4)

AWARDS: Award certificates will be given to the top score in each US call
area and
top dx entry, as well as an award for the overall top score - world wide.

SUBMIT LOGS TO: Alan Dujenski,. KB7MBI - 17620 228th Pl NE, Woodinville, WA
98072. E-mail: ARDUJENSKI@aol.com Logs must show Band, Time UTC,
Station,
RST rec'd, QTH, and NWQ# or Pwr used, and total claimed score.
DEADLINE FOR LOG SUBMISSION IS Sept 30, 1998.

http://www.willapabay.org/~bill
ICQ me @ 8926298

Date: Mon, 17 Aug 1998 13:57:15 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <bgeipel@primenet.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [17742] RE: Questions
Message-ID: <19980817185628692.AAA282@muenzlerk>

Yes you are correct, 5NN is short for 599, much sorter
to send.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Barry L. Geipel
> Sent: Monday, August 17, 1998 1:24 PM
> To: Low Power Amateur Radio Discussion
> Subject: Questions
>
<snip>
> UR RST IS 599 5NN BT
> or
> UR RST IS 599 5N BT
>
> I assume that the 5NN is just a shorthand for 599. Is that
> correct or is there some other meaning?
>
> 73
>
> --
> --
> Barry L. Geipel (KF6RDI) ||
> Email:bgeipel@primenet.com || Lacking a muse, my mauser
> NRA HMGS-PSW ARRL || must be my thunderbolt
> QRP-L #1653 ||
>   http://www.primenet.com/~bgeipel/barry.html
>
>

Date: Mon, 17 Aug 1998 12:00:31 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <we6w@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [17743] Re:TUNER Losses/dB's
Message-ID: <057801bdca11$4e9b0940$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My friend Ed WE6W wrote (severely pruned quote):

>Gangue - I've seen about 3 posts quoting 1 dB=20%
>gain/loss. That is wrong. I posted 1 dB =25%
>gain/loss. This is correct math (approximate).
>
>Ok, I'll be kind on this, but I'm just about to scream
>if I see 20%=1dB change another time.....

>
>Anyone see the error?

Yes, I believe I do. It's the old problem of reciprocals. Compare four fifths (4/5) with five fourths (5/4). What percentage change does 4/5 represent? What about 5/4?

First, let's look at the dB numbers.

Calculate the multiplier for 1 dB LOSS, which is expressed as -1 dB:

    multiplier = 10^^(x dB / 10)
                10^^(-1 dB /10) = 0.7943
    pretty close to 0.8,   or 80%,
 which represents a 20% loss.

Now, calculate the multiplier for 1 dB GAIN, which is expressed as +1 dB:

    multiplier = 10^^(x dB / 10)
                10^^(+1 dB/10) = 1.259
    pretty close to 1.26, or 126 %,
which represents a 26% gain.

Why the difference?

Well, a gain is the reciprocal of a loss. A 1 dB gain is the reciprocal of a -1 dB loss.

A 1 dB gain is realized (approximately) by multiplying the original signal by the fraction, 5/4.

A 1 dB loss is realized (approximately) by multiplying the original signal by the fraction, 4/5.

5/4 represents a change from 1 (the original value) by 1/4, or 25%
4/5 represents a change from 1 (the original value) by 1/5, or 20%

The bottom line is that a 1 dB GAIN is a 26% gain, and a 1 dB LOSS is
a 20% loss.

And you thought accountants had funny ways with numbers!

Mike K1MG
Prime Zombie # 101

Date: Mon, 17 Aug 1998 15:06:00 -0400
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [17744] Intro and Stories
Message-ID: <004001bdca12$259cd860$8c06f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Barry--Thanks for the great story and Intro. Keep up the operating, you
will be at 20 WPM before you think. When you hear RST 5nn it is short hand
for RST599. You will also hear pwr 1tt w, thats short hand for the power
here is 100 watts.

72 from The Buzzard Roost--Flushing, Ohio
Ken/ne0c

Date: Mon, 17 Aug 1998 15:11:05 -0700
From: Ken LaRose <kenlar@csolve.net>
To: qrp-l@Lehigh.EDU
Subject: [17745] Tnx PA QRP Clubs
Message-ID: <35D8AA79.14EC@csolve.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRPers:

Just want to publicly thank QRP Society of Central PA, Eastern PA QRP

Club, and Cam Bailey KT3A (contest chairman), for the very nice certificates received today, for my third place standing in Tactical and Homebrew catagories in the QRP TAC Contest held last June. I wasn't expecting anything, so when I opened the envelope it really made my day!!

They will hang with honour on the shack wall, to provide inspiration and remind me of some wonderful memories of operating QRP in the field.

Sincerely,

Ken, VE3ELA Midland, ON, Canada

Date: Mon, 17 Aug 1998 12:41:59 -0700
From: Daniel Salo <dsalo@pacbell.net>
To: qrp@ohr.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [17746] Re: New OHR 500
Message-ID: <3.0.3.32.19980817124159.00b44330@postoffice.pacbell.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dick,

Your new OHR500 sounds like a nice rig. I build an OHR100A, and with your help, got it working, would I find it more challenging to build the OHR500?

73, Daniel
KF6QZQ

At 02:35 PM 8/17/98 -0400, ohr wrote:
>Hello everyone,
>
>Our new OHR500 transceiver is almost ready to go. I will start shipping in
>about 4 - 5 weeks. The introductory price is $349.00. Please see our web
>page for more details. The address is <www.ohr.com>.
>
>
>73,
>Dick
>Oak Hills Research
>
>

Date: Mon, 17 Aug 1998 15:43:05 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Brad Mugleston <bmug@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17747] Re: Antenna Q's
Message-ID: <Pine.GSO.3.96.980817154036.20356A-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad,

It appears that the total length for 6 meters in the Aug 98 QST is the length of the 3/4" tubing plus the length of tubing going to the flag mounting, which would make the entire assembly longer than just the 45" tube. It does appear that there is a shorting wire to go across the coil, which is not used on 6. It is not 100% clear, but I suspect you can experimentally determine the exact length you need.

-73-

LB, W4RNL

Date: Mon, 17 Aug 1998 14:52:10 -0500
From: n9qil@juno.com (Kenneth R Wezeman)
To: qrp-l@Lehigh.edu
Subject: [17748] Re: Questions
Message-ID: <19980817.145211.-27647.0.N9QIL@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Barry,

Yes "N"=9. Another one you might hear is "T" (=), as in "running 1TT watts", but (gasp!) never from a QRPer. These are called "cut" numbers. I have no idea why they are called that. My own best guess is that it "cuts" the time required to send them.

73,

Ken Wezeman, N9QIL - Mishawaka, IN
QRP ARCI #8191; QRP-L #1416

_____
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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 17 Aug 1998 15:14:01
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [17749] Re: Elmer 101 Survey Q1-3 (Long)
Message-ID: <3.0.5.16.19980817151401.0907649c@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Although I did not get a chance to contribute to the survey, I would like to add a thought here. The pace at the beginning of the class was great, there was a lesson about every week. About half way throught, Mike said that he was moving departments at work and that the lessons might be little slow in comeing. I believe this is what happened but if I am wrong, please correct me. A million thanks to Mike and Glen and all other involved Elmers.

73,
Arnold kd5ckh

At 10:13 AM 8/17/98 -0500, you wrote:

>YOUR ELMER 101 PARTICIPATION?
>
<sinpage>
>2. WHAT IS THE ONE THING YOU WOULD LIKE TO HAVE BEEN ABLE TO CHANGE IN
>ELMER 101?
>
>---for me, the process was a bit slow
>---increase the pace of instruction. I went Type A about 30% through,
>and finished on my own
>---a list of dates when each segment would appear on the list. Would
>allow for better planning of the time to work the project.
>---I would have made it more generalized (ie., include discussion about
>alternative circuits that accomplish the same goals), but I guess that

>the future series will cover that.
>---the shaking in my hands!
>---not a damn thing, it's great!
>---a little faster pace, possibly one lesson per week.
>---I would like to have seen more questions from participants.
>---I only wish that all the lessons were available, when I was ready...I
>know that this is a nit, but it is the only thing I would have changed.
>---I would change the pace -- in the end I followed K5FO's speeded up
>approach, but studied the lessons as they came out anyway. It was way
>too slow for such an exciting project.
>---The course went way too slow. It was hard to refrain from building
>ahead of the class.
>---I would have liked to see more of the e-mail between participants. I
>think quite a lot of e-mail was never posted to the group at large.
>---The time it started turned out not to be the best time for me but
>this is because we have such a short summer here so my 40+ had to be put
>on the back burner, probably until September -- our cold, blowin' winter
>Saskatchewan nights are excellent for fox hunting and kit building :-)
>
>

Date: Mon, 17 Aug 1998 15:37:56 -0600
From: Mike - W0TMW <crucis@sky.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17750] Elmer 101: SW30+ Output Power
Message-ID: <35D894A4.80148808@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'd finished my SW30+ before the 4th of July, but hadn't had the time to
finish testing and alignment. The results? Receiver works fine. The
range after adding a 47pf cap to C7 is 10.103 -> 10.1385. I can hear
the xmitter in my big rig (Knwd TS-570S), but here's the rub.

In QRP mode (5W) my TS-570 shows 5 watts on my Wattmeter. The SW30+,
show zip. It xmitting on freq because I can here it, but doesn't wiggle
the wattmeter. Any hints where to start looking?

Mike - W0TMW
--
==========
Mike Watson, W0TMW
Raymore, MO USA

==========

Date: Mon, 17 Aug 1998 14:55:24 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'L. B. Cebik'" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17751] RE: Antenna Q's
Message-ID: <01BDC9EF.11338E00.bmug@gwl.com>

I checked that out but (from memory) I believe he said on 6M the coil assembly is not used (i.e. the antenna is mounted directly on the flag mast). But if you had the coil mounted I think it was a 5" section and you would need about a 5" wire (at least) to by pass the coil.

I got thinking about it after I sent the email and 45" is a dyslexic 54" which plus the 1/2 inch or so for the mounting bracket make it match my calculations.

I love to experiment but it's hard (and expensive) to start at his 45" only to find you really need 54".

Thanks

Brad

-----Original Message-----
From: L. B. Cebik [SMTP:cebik@utkux.utcc.utk.edu]
Sent: Monday, August 17, 1998 1:43 PM
To: Brad Mugleston
Cc: Low Power Amateur Radio Discussion
Subject: Re: Antenna Q's

Brad,

It appears that the total length for 6 meters in the Aug 98 QST is the length of the 3/4" tubing plus the length of tubing going to the flag mounting, which would make the entire assembly longer than just the 45" tube. It does appear that there is a shorting wire to go across the coil, which is not used on 6. It is not 100% clear, but I suspect you can experimentally determine the exact length you need.

-73-

LB, W4RNL

Date: Mon, 17 Aug 1998 21:04:04 +0100
From: Hank Kohl K8DD <k8dd@contesting.com>
To: n9qil@juno.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [17752] Re: Questions
Message-ID: <3.0.5.32.19980817210404.009d0e10@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:52 PM 8/17/98 -0500, Kenneth R Wezeman wrote:
>Barry,
>
>Yes "N"=9. Another one you might hear is "T" (=), as in "running 1TT
>watts", but (gasp!) never from a QRPer. These are called "cut"
numbers.
>I have no idea why they are called that. My own best guess is that it
>"cuts" the time required to send them.

Barry, Ken et al.....
Yes, they are "cut" numbers because it takes less time to send.
The list of the cut numbers are:
T = 0 (zero)
O = 0 (oh = zero)
N = 9
A = 1
The Europeans seem to make more extensive use of cut numbers
in contests than North Americans do and generally in the major
contests like CQ WW CW (for the zone)and CQ WPX CW (for the QSO
number) and to some extent ARRL DX CW (for the power).
They do not, however, seem to use the cut numbers on SSB for
some reason !!!! !!

73   Hank   K8DD

Date: Mon, 17 Aug 1998 22:10:55 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: "Paul R. Valko" <prvalko@oakland.edu>
Cc: qrp-l@Lehigh.EDU
Subject: [17753] Re: Status Report de K5FO

Message-ID: <199808172110.WAA00623@chuck.dallas.sgi.com>

Congratulations go to Paul Valko, W8KC, who will be the new
foxhunt administrator. He will be in charge of calling for
volunteers, etc. Do not email him yet until he posts the
information.

Thanks Paul,

Chuck Adams K5FO Dallas,TX   CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Mon, 17 Aug 1998 21:38:02 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17754] dB's; Dipoles; Drake TR-3 on 1 tube final?
Message-ID: <35D8A2BA.776F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the math explanation Mike/K1MG.

And for those that got lost:
1 dB gain with 1 Watt input to an amp is:
   1 Watt * 1.26 = 1.26 Watts
And 1 watt input to a 1 dB attenuator is:
   1 Watt * 1/1.26 = .794 Watts

For a 2 dB attenuator it is:
1 Watt input * 1/(1.26*1.26)= 0.63 Watts output.

This exercise has been fun. I hope we all have
a renewed strength in the area of dB's :)

Dipoles as a load.

  Such a wonderful subject! Terminating any transmission
line in it's characteristic impedance eliminates any
reflected power. Why then don't we see more folded
diples (Approx: 300 Ohm load impedance) at the end
of 300 Ohm TV transmission line?

  Also, I discovered that folded dipoles spread the

current between the two wires and this reduces the
'I squared R' losses.

  I must say, when I was using folded elements on
my bazooka antenna, it was, and still is the best
simple antenna I've ever used.

I offer a simple antenna experimentation challenge
to all 300 Ohm fed, 75 Ohm dipole users: Add the
4 inch or 6 inch spaced folded element and run this
antenna for a month. You will definately receive
better reports and hear better too.

Misc. Note: One of the 6JB6's in my Drake TR-3 is
going south, I can't handle the intermittent QRN
any more. So I'm soon to be running with 1 tube
after I remove the other two -- Does anyone
see know of any problems with this?

TIA gangue,
-Ed
--
72, =ED, WE6W/qrp CW ONLY; Santa Rosa, CA (CM88ok)
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Mon, 17 Aug 1998 16:46:08 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@Lehigh.EDU>
Subject: [17755] Coil lube
Message-ID: <35D8A4A0.795A9BB1@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,
  I have an older receiver here that I am going to align. In the past I have had
lots of trouble with those small (approx 1/8") diameter powered iron slugs with
a hexagonal hole for a tunning tool. I have a tool that fits, but often find
that the cores are 'frozen' in place, and enough tourqe to break them loose does
just that....it breaks them.

  Any ideas on a good lube that I might squirt down in the form to loosen them
up? Some of these miserable things are in what appear to be waxed paper forms,
so whatever is used has got to be friendly to same.

Tnx es 72

Bob POQ
--
Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Mon, 17 Aug 1998 17:53:36 EDT
From: fcsw@juno.com (dick rood)
To: qrp-l@Lehigh.EDU
Subject: [17756] cut numbers
Message-ID: <19980817.175250.4855.0.fcsw@juno.com>

To add to the discussion:
How do you send a Chinese morse message?
Chinese radio operators use the following list
of cut numbers extensively:
t=0
a=1
u=2
v=3
4=4
5=5
6=6
b=7
d=8
n=9
They are sent in groups of 4 digits.
Each 4 digit group corresponds to a Chinese Pictograph.
To send a telegram in China, the sending correspondent
uses an index of numbers and pictographs to compose his
message. The recipient uses the same index to "decode"
the message. I use the word "decode" advisedly since
these telexes are considered plain language. The indexes
I have seen are about the thickness of a Sears Roebuck
catalog. Chinese radiomen usually are very competent
operators and they send and receive these messages very
rapidly.
I guess you could say that this is qrp Chinese. Imagine
a morse like code with discrete combinations for each
pictograph.
72
dick, w2scf, qrp-l no. 1613

fcsw@juno.com

_____
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Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 17 Aug 1998 16:57:06 -0600
From: Mike - W0TMW <crucis@sky.net>
To: leinwebe@mcmail.CIS.McMaster.CA
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [17757] Re: Elmer 101: SW30+ Output Power
Message-ID: <35D8A732.B5292A0F@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Glen,

I've been doing some more checks since I posted the message. BTW, I hear a sidetone. I get about 2V P-P on the base of Q6, but only about 75mV at D12. I can see a waveform on D12 but I'm about at the upper limit of my scope.

Glen Leinweber wrote:
>
> In <35D894A4.80148808@sky.net>, Mike - W0TMW wrote:
>
> >In QRP mode (5W) my TS-570 shows 5 watts on my Wattmeter. The SW30+,
> >show zip. It xmitting on freq because I can here it, but doesn't wiggle
> >the wattmeter. Any hints where to start looking?
> >
>
> Mike,
> If you can hear a small signal, then the transmit mixer chip
> U5 is likely working OK. So look for problems from the output of U5
> up to the final amp. That involves T2, T3, Q4, Q5, and Q6
> First, do the DC voltage checks from Dave's manual (pg 19?). That
> might show up something that'll narrow down your search. All the
> voltages there are shown with the keyline activated (as in "transmitting").
>
> If you have an RF probe, do the AC voltage checks in this area too.
> That's SURE to narrow things down some.

I'm working along the print and so far everything look OK, except I

thought I'd see more at D12.

Mike - W0TMW
--
==========
Mike Watson, W0TMW
Raymore, MO USA
==========

Date: Mon, 17 Aug 1998 14:56:21 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@Lehigh.edu
Subject: [17758] TL592P
Message-ID: <19980817215621.4250.qmail@hotmail.com>
Content-Type: text/plain

I've located a couple TL592P chips (Texas Instr.) on a board from an old hard drive. I think that these are like the NE592 which is a "video amplifier" chip. These have differential input and output and adjustable gain. The chip has 8-pins. Unity gain bandwidth is listed as 120MHz. Anyone ever seen these used in a receiver application?

Brad

_____
Get Your Private, Free Email at http://www.hotmail.com

Date: Mon, 17 Aug 1998 18:15:27 EDT
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Subject: [17759] New/old Doerle RX takes on QRPC
Message-ID: <66249ac1.35d8ab81@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Time was if you wanted to challenge QRPolitical Correctness, you advocated the Direct Conversion receiver. Laud your Tejas Backpacker and you were told it was an atavism. But now there is a new champion for those who yawn at y-cut crystal filters and refuse to vouchsafe for VXOs. From a most unlikely source, the Doerle is back and this time, no more Mr. Nice Guy.

A Doerle? Isn't that a one-tube regenerative (aka "Blooper") that hams used before Frank Jones led them to the Regenerative Superhet? Well, almost. As one learns in the newly released, 63-page "How to Build the Twinplex Regenerative Receiver," (references below) The Doerle was as much a product of technology as the modern miniature RXs and TCVRs based on the Ne-602. In 1933 it was the twin triode at a price for the masses that started it all. The type 19 vaccum tube allowed a one-tube kit of the then-popular ham two-tube rigs. The industerous Mr. Doerle put together a kit and it took off. Doerle clubs were everywhere and, until cheap superhets appeared, continued to be a force in SWLing.

It is T.J. Lindsay who recounts all this in his third book on the subject. The first was an extended interview on regenerative technique with C.F. Rockey, W9SCH, an early but influential figure in both QRP ARCI and G-QRP. There were a splattering of solid state circuits in that book and none in "How to Build Your First Vacuum Tube Regenerative Reciever," offered the next year in 1997. But this year's book, after reciting the history and showing how to make an original Doerle and a poor boy's 1950s model, gets to the stuff of which success is made: silicone.

And Lindsay, who is a speciality publisher who does not handle anything to offend feminists, does not just put two FETs in for the old twin triode's elements. In fact, he shows you why you should not either. Instead, he develops the circuit through several stages and presents numerous options for the constructor. It is the highpoint of the book. He ends up with a close tuning two FET, one bipolar rig that tunes WWV and 30M and doubles as a signal generator. (If you happen over on the Glowbugs mailer, where they build classic circuits, don't even think about saying that a regenerative circuit without an RF amp radiates -- it is like advocating the Bible as Literature at the Texas Baptist Convention.).

There are many constrction hints throughout the book. Those of us who think we have seen it all should pay particular note to page 33 and a picture of C.F Rockey's revisionist style of making plug-in coils -- he hacksawed through the form and ran all the taps thru the resultant channel. The "Where can I get the circuit board" crowd will be disappointed, and it is unlikely anyone will offer a second kit of parts 64 years later. But whether you are collecting kit radios from the 1930s or building them now from Radio Shack parts, the new Lindsay is must do Summer reading.

References:

"How to build the Twinplex Regenerative Receiver," Lindsay, T., 1998, 63 pages, $7.95, Lindsay Publications Inc, Box 538, Bradley IL 60915-0538

http://www.keynet.net/~lindsay

by same author:

"Secrets Of Homebuilt Regenerative Receivers," 1996, 127 pgs

"How to Build Your First Vacuum Tube Regenerative Receiver," 1997, 127 pages

73 de ab5L, michael in dallas, student of Tecraft and International Crystal (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222   MNHopkins@AOL.com

Date: Mon, 17 Aug 1998 16:27:46 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [17760] mystery!?
Message-ID: <Pine.SOL.3.91.980817161925.23418A-100000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

As some of you may have read, I purchased an MFJ-9040 at the Glacier hamfest flea market in July...I posted an e-mail asking for sources for a namual for the 9040....I received numerous replies, mostly pointing me in the direction of MFJ....great....much appreciated....well my "honey do" list was huge while on vacation and then vacation is over and back to work, so my call and/or visit the MFJ web site was on the back burner...lo and behold a large envelope arrives in the mail today....and inside?...yep, the manual for the 9040!...wow!...it was in an envelope which had the MFJ company's return address on it....it has a Windsor, Ontario postmark.....this QRP-L list never fails to amaze me!....what a *great* bunch of people; always helping each other just like it should be!!...well my sincere thanks and I will return the favour for sure....72 - Bruce (VE5RC+VE5QRP) -   psssst   .....alright, quietly now....I'll keep it secret if you want....which one of you is my "book fairy?" :-))

Date: Mon, 17 Aug 1998 17:49:11 -0600
From: Mike - W0TMW <crucis@sky.net>
To: leinwebe@mcmail.CIS.McMaster.CA
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [17761] Re: Elmer 101: SW30+ Output Power
Message-ID: <35D8B367.913D6CFC@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Glen,

     Found the problem with my SW30+ --- trimmer pot R24. I started playing with it, running it from min to max and back to min, when I got RF out. Finally, I redid the drive alignment and now I'm getting 2Watts out. I had to set the trimmer to the 4 o'clock position for 2 watts. I can get more RF out at the 5 o'clock position, but the output jumps sharply to over 5 watts. I backed it off a limit thinking the extra output must be due to tuning up on a harmonic. I also tuned T2 and T3 for max sidetone output. Seems to work. Haven't made a contact yet---have to find a straight key somewhere. Was closing the key by shorting the key jack. Not conducent to high WPM code!

Thanks for the advice,

Mike - W0TMW

Glen Leinweber wrote:
>
> In <35D894A4.80148808@sky.net>, Mike - W0TMW wrote:
>
> >In QRP mode (5W) my TS-570 shows 5 watts on my Wattmeter. The SW30+,
> >show zip. It xmitting on freq because I can here it, but doesn't wiggle
> >the wattmeter. Any hints where to start looking?
> >
>
> Mike,
>   If you can hear a small signal, then the transmit mixer chip
> U5 is likely working OK. So look for problems from the output of U5
> up to the final amp. That involves T2, T3, Q4, Q5, and Q6
> First, do the DC voltage checks from Dave's manual (pg 19?). That
> might show up something that'll narrow down your search. All the
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>
> If you have an RF probe, do the AC voltage checks in this area too.
> That's SURE to narrow things down some.

--
==================
Mike Watson, W0TMW
Raymore, MO USA
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End of QRP-L Digest 1186
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